

132  
Goodell-Pratt Company



*Tools*

Nº 8

Greenfield, Mass., U.S.A.





Established 1888

Incorporated 1895

# Goodell-Pratt Company

Greenfield, Massachusetts

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*Toolsmiths*

*Cable Address*  
Prattgood Greenfield

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Catalog    **8**    Issued  
Number      for 1907

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# Important

## CATALOG No. 8

This Catalog contains more than fifty NEW tools in addition to those shown in our last edition; the extent of this addition to our line can only be understood by a careful study of the 208 pages which go to make up this little volume.

## WARRANTY

Every article of our manufacture is warranted against imperfections of material, or defects in workmanship, and when so defective will be repaired or replaced without charge, but under no consideration will we assume the responsibility for breakage or for regular wear and tear, neither do we hold ourselves responsible where purchasers of our tools or machines take them to pieces and in reassembling fail to put the parts in proper place.

## REPAIRS

We can furnish repairs for any tool of our manufacture, providing our customers will make it plain to us what new parts are wanted, and where the owner of the tool is sufficiently mechanical to enable him to make the repairs himself after receiving the new parts, it is quite practical and profitable for him to do it; but it seldom pays to return by express or otherwise a tool of small value any great distance, as the transportation charges and cost of repairs are often more than the price of a new tool.

## SHIPPING INSTRUCTIONS

In ordering give explicit shipping directions and they will be followed; if none are given, we shall send according to our best judgment. All goods, however, are at the risk of the purchaser after leaving our factory; we cannot hold ourselves responsible for articles lost in transit.

## CHANGES

Customers often write us, asking that we make slight changes in design, finish, or mechanism of some particular tool; we cannot do this, as it would increase the cost of the tool several hundred per cent.

## POCKET CATALOGS

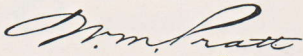
We shall be glad to supply our customers with such quantities of our pocket catalogs as they can distribute to advantage, entirely without charge.

## ELECTROTYPES

The free use of our electrotypes for advertising purposes is extended to the hardware trade generally.

GOODELL-PRATT COMPANY,

GREENFIELD, MASSACHUSETTS,  
JANUARY 1, 1907.

  
Treas.

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*Wm. Pratt*

## Automatic Drill

No. 108

This Automatic Drill, while embodying all the good points in our other styles, has many new and valuable improvements.

The handle grip is knurled the entire length, the rotating cap through which the Drill Points are extracted is smooth and solid, so shaped as to avoid injuring the hand of the operator even in continuous use; this cap is held locked in place by a spring bolt, and can be unlocked and rotated by moving the catch as shown in cut; the exact location of each Drill Point is shown at a glance, they being contained in a separate numbered compartment; after removing the Drill Point the cap is turned until locked, and no amount of use can unlock it,—this can only be done by moving the catch at the side.

The end nut by which the jaws are tightened is large, knurled the entire length, insuring a good grip, and a simple mechanism is so arranged that this nut cannot be turned off; it can only be removed by pulling sufficiently hard to relieve the spring tension, although for actual use it is tightened and loosened in the same manner as an ordinary one.

The shanks of the Drill Points are so milled that when properly fastened in the Chuck they cannot be pulled out when in use.

Eight Drill Points, varying in size from  $\frac{1}{16}$  to  $\frac{1}{4}$ , furnished with each tool.

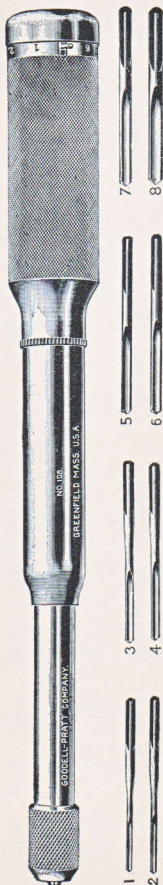
The Drill itself without any Points is 10 inches long, full polished and nickel plated.

Price, per dozen . . . . . (CANILE) \$30.00

Packed one in a box,  $10\frac{1}{4} \times 1\frac{1}{2} \times 1\frac{1}{4}$  inches.

Weight, per dozen, 8 pounds.

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# Automatic Drill

No. 105

This tool was gotten up to supply the demand for an Automatic Drill of very moderate price.

It is often convenient for a mechanic to have several tools of this character about his workshop or his tool chest, and it is not necessary that they should all be equipped with expensive mechanism.

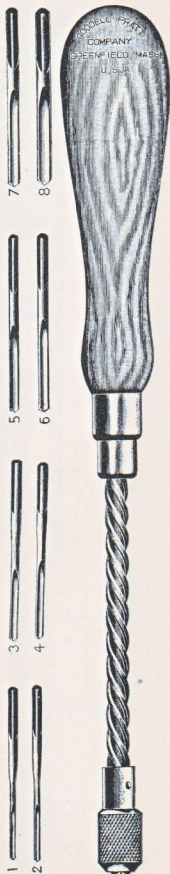
This Drill is  $13\frac{1}{4}$  inches long, has a polished hard wood handle, steel spiral, nickel-plated socket, sleeve and end nut.

Each tool furnished with 8 Drill Points from  $\frac{1}{16}$  to  $\frac{1}{8}$  as shown in cut.

Price, per dozen.....(CALER) \$12.00

Packed one in a box,  $13\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches.

Weight, per dozen, 9 pounds.





# Automatic Drill

No. 1

NICKEL PLATED

Experience having taught us that the style of handle formerly used upon our No. 1 Automatic Drills is apt, on continued use, to hurt the hand, we have, after considerable experimenting, produced one with the end slightly enlarged and perfectly smooth, and having longitudinal corrugations as shown in the cut; these corrugations insure a good grip and the smooth end does not hurt the hand.

We think this style will receive general approval.

The Drill is  $9\frac{1}{2}$  inches long, made of hollow brass, nickel plated, giving it a neat appearance and making it light to use.

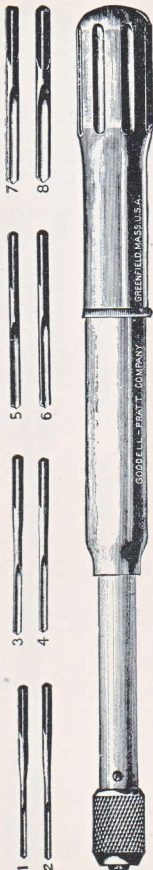
Eight Drill Points, varying in size from  $\frac{1}{16}$  to  $\frac{11}{64}$  inch, are furnished with each tool, and are fitted to be instantly and firmly secured in the chuck, and by pressing the handle they are rapidly rotated.

Price, per dozen.....(CARROM) \$24.00

For extra Drill Points, see page 13.

Each Drill packed in a neat tin box,  
 $9\frac{1}{4} \times 1\frac{3}{8} \times 1$  inches.

Weight, per dozen, 7 pounds.



# Automatic Drill

No. 2

Nickel plated, with Cocobolo Handle.

The Goodell Automatic Drill No. 2 is exactly like the No. 1, only that it has a wood handle.

Eight Drills with each tool.

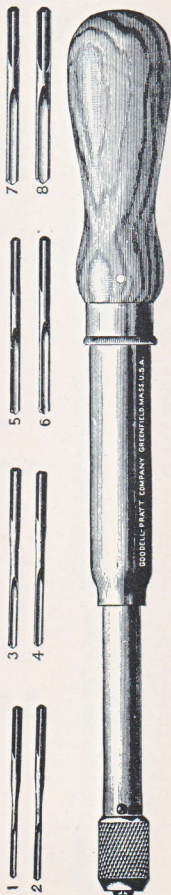
Price, per dozen.....(CAMEL) \$24.00

For extra Drill Points, see page 13.

Each Drill packed in a neat tin box,

9 $\frac{1}{4}$ x1 $\frac{1}{2}$ x1 inches.

Weight, per dozen, 7 pounds.

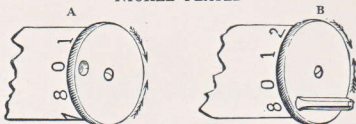
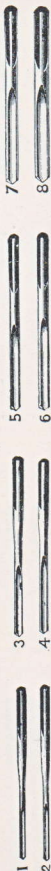
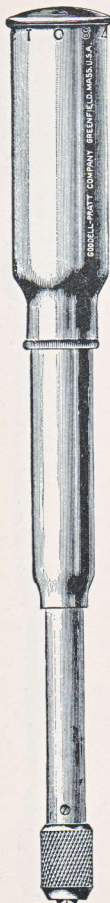


# Automatic Drill

## No. 3

Patented September 30, 1890; November 17, 1891

NICKEL PLATED



This Automatic Drill embraces a feature heretofore not used in the construction of similar tools, and is covered by patents as above stated. The Drill Points are all contained in the handle, each in a separate compartment; the exact location of each size is seen at a glance, as the numbers designating each are upon the outside. When in use or not in use it stands at blank 0, as shown in sketch "A," and a pin is forced upward into the hole and prevents the cap from turning until such time as the operator desires to remove a Drill Point, when, by pressing slightly upon the pin which fills the hole from which the Drill Points are taken out, the cap can be turned either to right or left, until the hole is opposite the desired number, when the point can be readily removed, as shown in sketch "B." Then the cap is turned again until the hole is at blank 0.

The use of this Drill will save the operator much valuable time, both in hunting for Drill Points which may have been lost and in selecting the exact size which he may desire to use.

The tools are made of hollow brass, and are nickel plated.

Price, per dozen..... (CANOPY) \$26.00

Each Drill packed in a strong paper box, 10x1 $\frac{1}{4}$ x1 $\frac{1}{4}$  inches.

Shipping weight, per dozen, 7 pounds.



# Automatic Drill

No. 3½

Patented September 30, 1890; November 17, 1891

This Drill varies from the No. 3 only in the handle, the upper part of this one being made of polished hard wood, which, as a matter of choice, is sometimes preferred. The mechanism of both is identical.

Eight Drill Points, varying in size from  $\frac{1}{16}$  to  $\frac{11}{64}$  inch, are furnished with each tool, and are fitted to be instantly and firmly secured in the chuck, and by pressing the handle they are rapidly rotated.



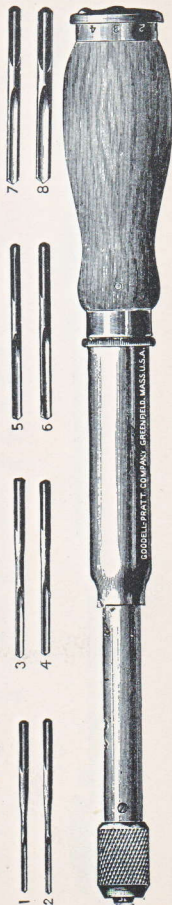
The Drill Points are all contained in the handle, each in a separate compartment; the exact location of each size is seen at a glance, as the numbers designating each are upon the outside. When in use or not in use it stands at 0, as shown in sketch "A," and a pin is forced upward into the hole and prevents the cap from turning until such time as the operator desires to remove a Drill Point, when, by pressing slightly upon the pin which fills the hole from which the Drill Points are taken out, the cap can be turned to either right or left, until the hole is opposite the desired number, when the point can be readily removed, as shown in sketch "B." Then the cap is turned again until the hole is at blank 0.

The use of this Drill will save the operator much valuable time, both in hunting for Drill Points which may have been lost, and in selecting the exact size which he may desire to use.

Price, per dozen..... (CARBOY) \$25.00

Each Drill packed in a strong paper box,  $10\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{1}{2}$  inches.

Shipping weight, per dozen, 8 pounds.



## Automatic Drill

No. 35

No Drill Points Furnished with this Tool

With three-jawed Chuck, 0 to  $\frac{1}{4}$  inch

This Automatic Drill is of the same general form of construction as our No. 2, with the exception that it is fitted with a three-jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch, enabling the operator to use Twist Drills of different lengths, often a great convenience upon special work.

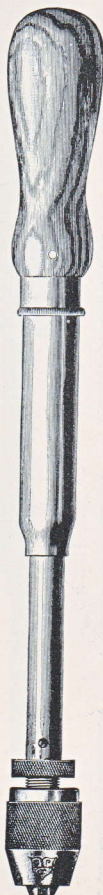
The Chuck will hold accurately and well any round-shank Drill up to its capacity.

The finish of the tool is the same as our Automatic Drill No. 2; the material is brass, full polished and nickeled; the Handle is of cocobolo.

Price, per dozen..... (CARDILE) \$36.00

Packed one in a box,  $11\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches.

Weight, per dozen, 9 pounds.



# Automatic Punch

No. 34

A very ingenious and useful tool for punching holes in paper, cloth, or leather.

"You push the handle, the Punch does the rest."

The tool consists of one of our regular Automatic Drills, No. 2 style, equipped with a set of special Punches, four in number, with shanks so formed as to fit firmly and securely in the Chuck; by pushing the handle the punch is rotated and the hole is made.

The Punches are the exact size shown in the cut, made from the best quality of steel, oil-tempered.

The price includes the Drill and four punches as shown in cut.

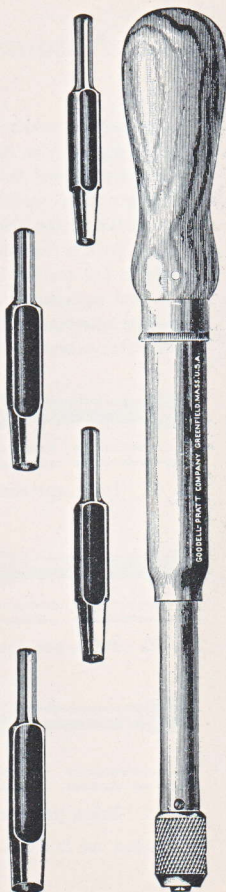
Size of Punches,  $\frac{9}{64}$ ,  $\frac{11}{64}$ ,  $\frac{3}{16}$ ,  $\frac{13}{64}$ .

Per dozen..... (CARPUN) \$36.00

Packed one in a box,  $10\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches.

Weight, per dozen, 8 pounds.

Extra Punches, each, \$0.25.

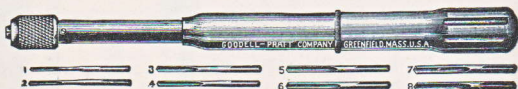


## Automatic Drills, Dull Finish

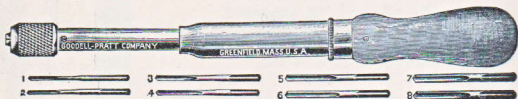
The working mechanism of these tools does not differ in the slightest degree from that in our more expensive styles; they are entirely without finish, however, being left in Dull Nickel, affording a quite considerable saving in cost and a corresponding reduction in the price at which we are able to offer them.

Each Drill is furnished with eight Drill Points of the same quality as our regular Drill Points; they are packed and put up in neat pasteboard boxes; in fact, and you will pardon us for again referring to the matter, they are identical with our other styles except in the matter of finish.

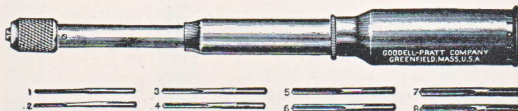
12



No. 01. Price, per dozen.....(OCARROM) \$18.00



No. 02. Price, per dozen.....(OCAMEL) \$18.00



No. 03. Price, per dozen.....(OCANOPEY) \$20.00

Packed one in a box.

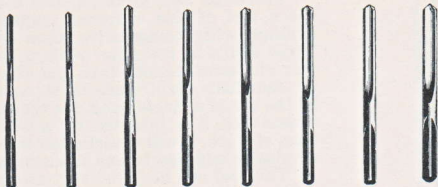
# Goodell-Pratt Drill Points

Fluted Shanks

Fitting Automatic Drills.

These Points are manufactured from the finest grade of steel.

Nos. 1 2 3 4 5 6 7 8



Sizes about  $\frac{1}{16}$   $\frac{5}{64}$   $\frac{3}{32}$   $\frac{7}{64}$   $\frac{1}{8}$   $\frac{9}{64}$   $\frac{5}{32}$   $\frac{11}{64}$

Price, per dozen.....\$0.72

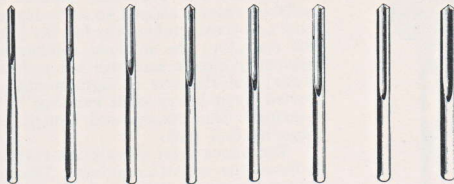
Furnished in sets if desired.

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# Goodell-Pratt Drill Points

Plain Shanks

Nos. 1 2 3 4 5 6 7 8



Sizes about  $\frac{1}{16}$   $\frac{5}{64}$   $\frac{3}{32}$   $\frac{7}{64}$   $\frac{1}{8}$   $\frac{9}{64}$   $\frac{5}{32}$   $\frac{11}{64}$

The above small Drills are the same that we furnish with several styles of our Hand Drills, and can be held in any three-jawed Chuck; they have straight Flutes and are very desirable for drilling wood or the soft metals.

They are made from the finest quality of tool steel, tempered in oil, and carefully ground.

Price, per dozen.....\$0.72

Furnished in sets or solid sizes, as specified.



## Reciprocating Automatic Drill

No. 0

For Iron, Brass, or Wood

There has been an unsupplied demand for a tool of this character, capable of drilling with comparative ease  $\frac{1}{4}$ -inch Twist Drills in iron; for while a tool of this character cannot take the place of an Automatic Drill made to be operated by the use of a single hand, for the simple reason that it is intended for a different class of work, it will nevertheless be found a valuable addition to any mechanic's kit.

This tool will be found very useful for drilling holes where Braces, Breast Drills, or Hand Drills cannot be conveniently brought into play.

In its construction we have endeavored to eliminate errors which are too plainly apparent upon other similar tools; the angle slant of the Spiral is twenty degrees, minimizing the friction and magnifying the power; the Traveling Handle is of polished cherry, shaped so as to insure an easy and comfortable grip for the hand of the operator; the internal mechanism is extremely simple and will not get out of order; the Head is of lignum-vitæ, supported by a heavy quill running in ball-bearings; the three-jawed Chuck has a capacity to  $\frac{1}{4}$  inch.

The above brief description covers, we believe, the essential points. The finish and appearance of the tool are up to our usual standard, and we do not hesitate to say that it surpasses in every way any tool of this character which has heretofore been shown.

No Drills furnished without extra charge.

Price, per dozen . . . . . (CAMPER) \$30.00

Packed one in a box,  $16\frac{3}{4} \times 2\frac{1}{2} \times 2\frac{1}{2}$  inches.  
Weight,  $1\frac{1}{4}$  pounds each.  
Length,  $16\frac{1}{2}$  inches.

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## Reciprocating Drill

No. 101

For Iron, Brass, or Wood

This tool has a wood Traveling Handle  $4\frac{1}{8}$  inches long, of polished cherry, otherwise it is exactly like our No. 0 shown and described on the preceding page.

It has a steel Spiral with an angle slant of  $20^{\circ}$ . The Traveling Handle is long enough to admit the whole hand, a very essential feature for vertical work; it is particularly adapted to the use of boat builders. The Head is of lignum-vitæ, supported by a heavy quill running in ball-bearings.

The three-jawed Chuck has a capacity to  $\frac{1}{4}$  inch.

The Spiral is polished, other metal parts are nickel plated.

The extreme length of the tool is  $16\frac{1}{2}$  inches.

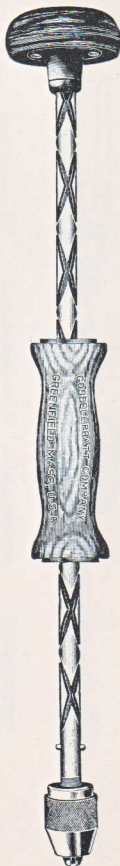
No Drill Points furnished without extra charge.

Price, per dozen..... (CLATE) \$30.00

Packed one in a box,  $16\frac{3}{4} \times 2\frac{1}{2} \times 2\frac{1}{2}$  inches.

Weight,  $11\frac{1}{4}$  pounds each.

Length,  $16\frac{1}{2}$  inches.

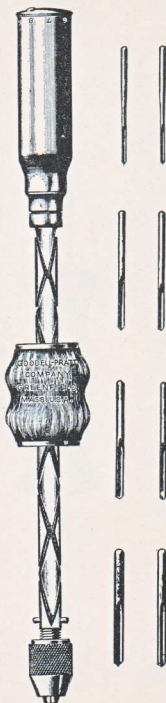


# Reciprocating Automatic Drill

No. 102

For Iron, Brass, or Wood

16



A very ingenious combination made by attaching a magazine handle to a short spiral similar to that used on our other styles of Reciprocating Automatic Drills.

This tool will be found very valuable for jewelers, clock-makers, gunsmiths, in fact, for any work requiring a hand drilling tool for small work.

It is equipped with a three-jawed Chuck, capacity 0 to  $\frac{5}{32}$  inch, also with 8 Drill Points varying in size from  $\frac{1}{16}$  to  $\frac{11}{64}$ , each contained in a separate numbered compartment in the handle.

The angle slant of the Spiral is  $20^{\circ}$ , minimizing the friction and magnifying the power.

Extreme length of tool, 13 inches.

The end thrust is provided with ball-bearings.

The Handle and Chuck are nickel plated, all other steel parts polished bright.

List. per dozen . . . . . (CENTER) \$27.00

Packed one in a box,  $13\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches.

Weight, 14 ounces.



## Automatic Breast Drill

No. 103

While this tool is capable of doing work in brass or iron, it is particularly intended for a wood boring drill for small sizes up to  $\frac{1}{4}$  inch. Ordinary straight shank Twist Drills should be used in connection with it, it being fitted with a Chuck capable of holding drills up to its extreme capacity.

It has a Breast Plate supported by ball-bearings. The Traveling Handle is provided with two Side Handles, enabling the operator to use both hands on the driving mechanism.

The angle slant of the Spiral is  $20^{\circ}$ , capable of generating all necessary power.

The general construction and finish of this tool is quite similar to the No. 0 and No. 101 shown on the preceding pages.

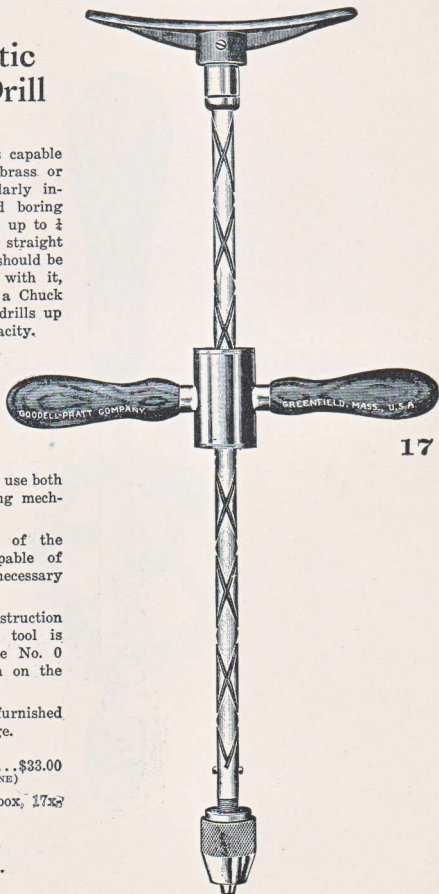
No Twist Drills furnished without extra charge.

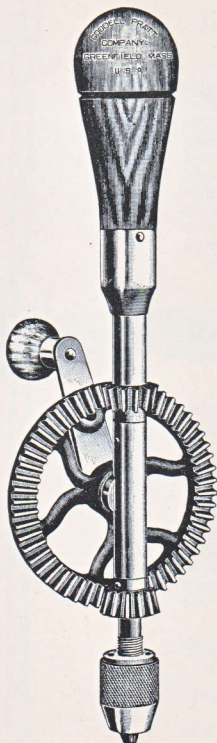
Price, per dozen .....\$33.00  
(CRONE)

Packed one in a box, 17x5 1/2x2 1/2 inches.

Weight, 2 pounds.

Length, 16 1/2 inches.





# Hand Drill

No. 52

Capacity 0 to  $\frac{5}{32}$  inch

Chuck Patented August 13, 1895

This new Hand Drill, and the other styles and sizes completing the series shown and described on the following pages, make up our new line of Steel Frame Hand and Breast Drills.

In appearance we believe they are even more attractive than those constructed with malleable iron frames; the general character of the mechanism and class of workmanship are very similar.

LENGTH OVER ALL.— $10\frac{1}{2}$  inches.

FRAME.—All steel, polished, and nickel plated.

HANDLE.—Polished cocobolo with screw cap.

GEARS.—All three gears, the large rack and the two small pinions, have cut teeth, and are nickel plated to prevent rusting; these pinions running on opposite sides of the large gear equalize the bearing.

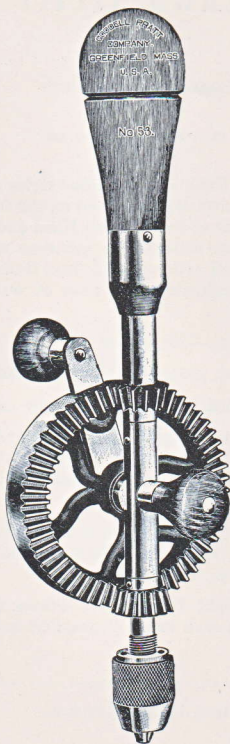
CHUCK.—Three-jawed, capacity 0 to  $\frac{5}{32}$  inch, with knurled nickel-plated shell. Will hold Drills furnished with it or any Twist Drills from  $\frac{5}{32}$  to No. 80.

EQUIPMENT.—Eight Fluted Drill Points from  $\frac{1}{16}$  to  $\frac{11}{16}$  inch furnished with each tool, all contained in handle.

Price, per dozen.....(ROST) \$22.00

Packed one in a box,  $11 \times 3\frac{1}{4} \times 2\frac{1}{4}$  inches.

Weight, 1 pound.



## Hand Drill

No. 53

Capacity 0 to  $\frac{5}{32}$  inch

Chuck Patented August 13, 1895

This Hand Drill is of same size as No. 52 shown and described on the preceding pages. The rack gear has a wide face which can be used in place of the crank handle for delicate work. It has also the added convenience of a small side handle as shown in cut.

LENGTH OVER ALL.—10 inches.

FRAME.—All steel, polished, and nickel plated.

HANDLES.—Large Handle, polished cocobolo with screw cap; Small Side Handle is also made of polished cocobolo.

21

GEARS.—All three gears, the large rack with the wide face, and the two small pinions, have cut teeth and are nickel plated to prevent rusting; these pinions running on opposite sides of the large gear equalize the bearing.

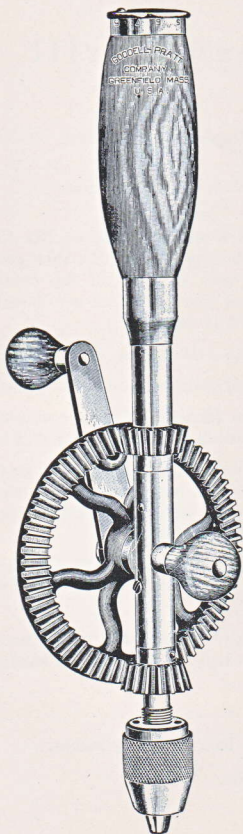
CHUCK.—Three-jawed, capacity 0 to  $\frac{5}{32}$  inch, with knurled nickel-plated shell. Will hold Drills furnished with it or any Twist Drills from  $\frac{5}{32}$  to No. 80.

EQUIPMENT.—Eight Fluted Drill Points from  $\frac{1}{16}$  to  $\frac{1}{8}$  inch furnished with each tool, all contained in handle.

Price, per dozen.....(RIST) \$24.00

Packed one in a box,  $10\frac{3}{4} \times 4 \times 3\frac{1}{4}$  inches.

Weight,  $1\frac{3}{8}$  pounds.



# Hand Drill

No. 54

Capacity 0 to  $\frac{1}{4}$  inch

Chuck Patented August 13, 1895

Handle Patented September 30, 1890 ; November 17, 1891

This Drill having a larger Chuck capacity is a little longer and heavier than those described on the four preceding pages.

LENGTH OVER ALL.— $11\frac{1}{2}$  inches.

FRAME.—All steel, polished, and nickel plated.

HANDLES.—Polished hard wood. The large handle has a magazine turret head with a separate compartment for each of the eight Drill Points.

23

GEARS.—All three gears, the large rack, and the two small pinions, have cut teeth and are nickel plated to prevent rusting.

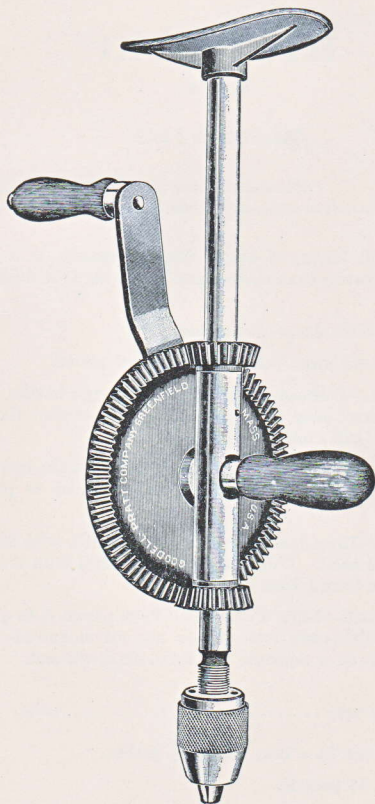
CHUCK.—Three-jawed, capacity 0 to  $\frac{1}{4}$  inch, with knurled nickel-plated shell. Will hold Drills furnished with it or any Twist Drills from  $\frac{1}{4}$  inch to No. 80.

EQUIPMENT.—Eight Fluted Drill Points from  $\frac{1}{16}$  to  $\frac{1}{8}$  inch furnished with each tool. These are all contained in the handle, each in a separate numbered compartment.

Price, per dozen..... (RUST) \$32.00

Packed one in a box,  $12 \times 3\frac{3}{4} \times 3\frac{1}{4}$  inches.

Weight,  $1\frac{5}{8}$  pounds.





## Breast Drill

No. 55

Capacity 0 to  $\frac{3}{8}$  inch

Chuck Patented August 13, 1895

For Round Shanks Only

This Breast Drill, while double geared, has only one speed, both pinions running on the outside of the rack gear.

FRAME.—All steel, polished, and nickel plated.

LENGTH OVER ALL.— $14\frac{1}{2}$  inches.

GEARS.—All cut teeth.

25

BREAST PLATE.—Adjustable.

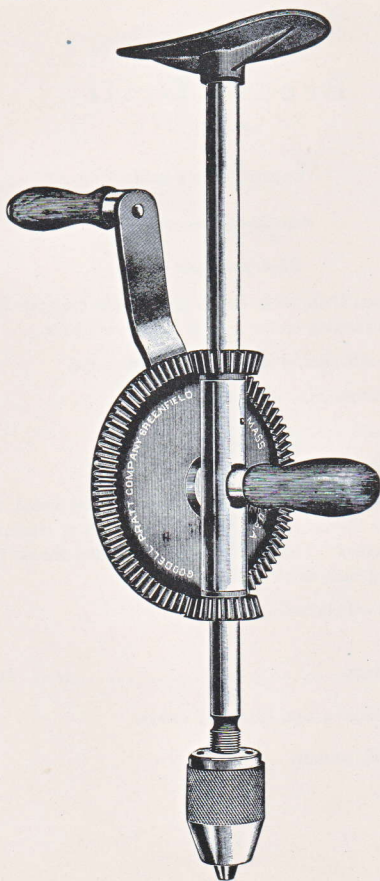
CHUCK.—Three-jawed with knurled nickel-plated shell running on a thread so fine that no stop-catch or similar device is necessary. This Chuck will hold round shank Twist Drills from  $\frac{3}{8}$  inch down to No. 80.

HANDLES.—Polished hard wood.

Price, per dozen..... (RUTE) \$42.00

Packed one in a box,  $15 \times 6\frac{1}{2} \times 2\frac{3}{4}$  inches.

Weight,  $4\frac{1}{2}$  pounds.



## Breast Drill

No. 56

Capacity 0 to  $\frac{1}{2}$  inch

Chuck Patented August 13, 1895

For Holding Round Shanks Only

This Breast Drill, while double geared, has only one single speed, both pinions running on the outside of the rack gear.

FRAME.—All steel, polished, and nickel plated.

LENGTH OVER ALL.—15 inches.

GEARS.—All cut teeth.

BREAST PLATE.—Adjustable.

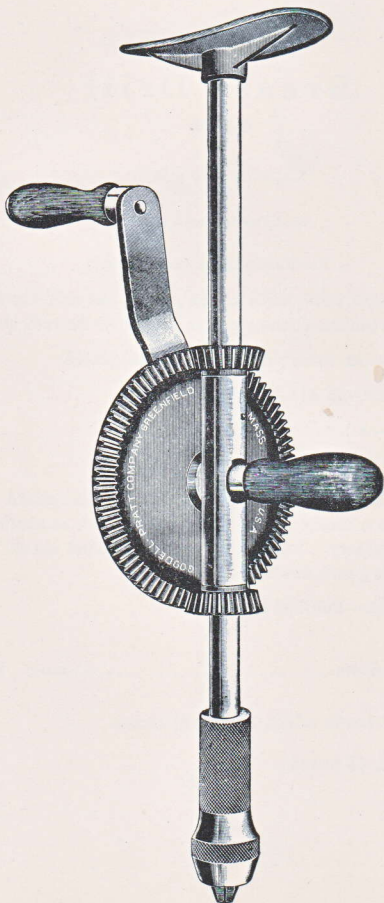
CHUCK.—Three-jawed, with knurled nickel-plated shell running on a thread so fine that no stop-catch or similar device is necessary. This Chuck will hold round shank Twist Drills from  $\frac{1}{2}$  inch down to No. 80.

HANDLES.—Polished hard wood.

Price, per dozen.....(RUEX) \$48.00

Packed one in a box,  $15\frac{1}{4} \times 6\frac{1}{4} \times 2\frac{3}{4}$  inches.

Weight,  $4\frac{1}{2}$  pounds.



## Breast Drill

No. 57

For Square Shanks

The Chuck on this tool is intended for holding square shanks only, and is furnished with but one pair of jaws. The construction is identical with the No. 56 shown on the preceding pages except in the Chuck; the one used upon this tool is the same that we use upon our No. 07, shown and described on pages 46 and 47.

FRAME.—All steel, polished, and nickel plated.

LENGTH OVER ALL.— $14\frac{1}{2}$  inches.

29

GEARS.—All cut teeth.

BREAST PLATE.—Adjustable.

CHUCK.—Two-jawed, for holding square shanks only.

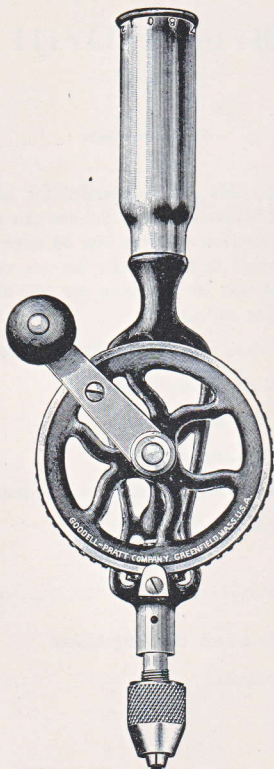
HANDLES.—Polished hard wood.

Price, per dozen..... (RULET) \$33.00

Packed one in a box,  $15 \times 6\frac{1}{4} \times 2\frac{3}{4}$  inches.

Weight,  $4\frac{1}{4}$  pounds.

30



# Hand Drill

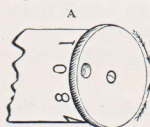
No. 4

Capacity 0 to  $\frac{5}{32}$  inch

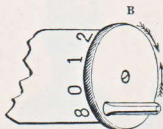
Chuck Patented August 13, 1895

A glance at the cut upon the opposite page cannot fail to give a good description of this tool. The handle is of hollow brass, nickel plated, used as a receptacle for the Drill Points, each contained in a separate numbered compartment.

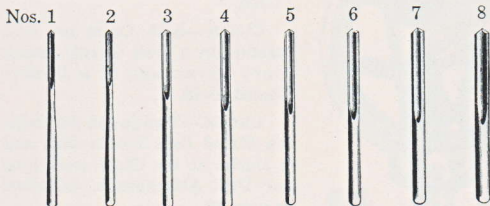
Diagram "A" shows Drill Cap in use; "B" when removing a No. 8 Drill Point.



This is the same arrangement as used upon the Goodell Automatic Drill No. 3.



Each Drill is fitted with eight fluted Drill Points, represented here at about two-thirds size.



31

These Points are the same as our Automatic Drill Points, except they have straight shanks, not milled.

The frame is of malleable iron, strong and light. The large and small gears are both cut, and run smoothly without hitching. The steel Chuck is a model one, with knurled nut, well finished, and three hardened steel jaws which will hold equally well the Fluted Drills in the handle or any Twist Drill from  $\frac{5}{32}$  inch down to No. 80.

Price, per dozen..... (RANGER) \$26.00

Each Drill packed in a strong pasteboard box, 11x3 $\frac{1}{4}$ x2 $\frac{1}{4}$  inches.

Weight, per dozen, 16 pounds.



# Hand Drill

No. 110

With Chuck for holding Fluted Shank Drills only.

The general features of this Drill are the same as No. 49, described on page 33, except in the Chuck and equipment.

HANDLE.—Brass, White Nick-  
eled.

FRAME.—Malleable Iron, well  
Japanned.

GEARS.—Cut Teeth, Nickel  
Plated.

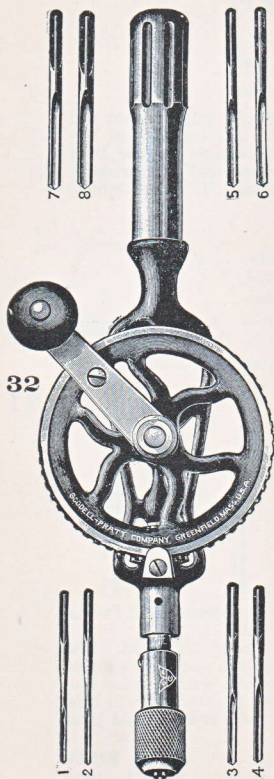
GUARD.—Both Gears are held  
together by a Steel Guard, having  
every advantage of a Double  
Geared Drill.

CHUCK.—Two-jawed for hold-  
ing Fluted Drill Points only, and  
is similar to the Chuck used upon  
our Drill Attachments, described on  
page 99.

EQUIPMENT.—Eight Drill  
Points, varying in size from  $\frac{1}{8}$  to  
 $\frac{1}{4}$ , furnished with each tool.

Price, per dozen... (RESORT) **\$15.00**

Each Drill packed one in a box,  
 $8 \times 3\frac{1}{2} \times 1\frac{1}{2}$  inches.





## Hand Drill

No. 49

Capacity 0 to  $\frac{5}{32}$  inch

Chuck Patented August 13, 1895

No Drill Points Furnished with this Tool

The general features of this Drill are the same as No. 4, described on page 31, except that this tool has a plain nickel-plated brass handle.

HANDLE.—Brass, White Nickel-plated.

FRAME.—Malleable Iron, well Japanned.

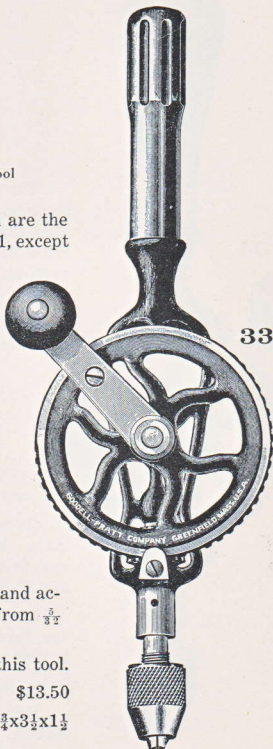
GEARS. — Cut Teeth, Nickel Plated.

GUARD.—Both Gears are held together by a Steel Guard, having every advantage of a Double Geared Drill.

CHUCK. — Three-jawed; capacity 0 to  $\frac{5}{32}$  inch. It has Knurled Nut, Nickel Plated, and is well made and accurate. Will hold any Twist Drill from  $\frac{5}{32}$  inch to No. 80.

No Drill Points furnished with this tool.  
Price, per dozen..... (RABBIN) \$13.50

Each Drill packed in a box,  $7\frac{3}{4} \times 3\frac{1}{2} \times 1\frac{1}{2}$  inches.



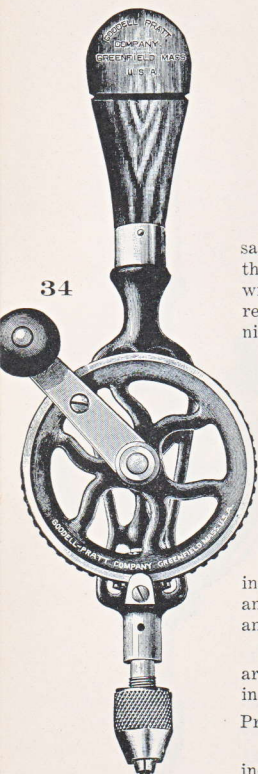
# Hand Drill

No. 4½

Capacity 0 to  $\frac{5}{32}$  inch

Chuck Patented August 13, 1895

34



The general features of this Drill are the same as No. 4, described on page 31, except that this tool has a polished Wood Handle with Screw Cap, the same being used as a receptacle for the eight Drill Points furnished with it.

**HANDLE.**—Polished Cocobolo, with Screw Cap.

**FRAME.**—Malleable Iron, well Japanned.

**GEARS.**—Cut Teeth, Nickel Plated.

**GUARD.**—Both Gears are held together by a Steel Guard, having every advantage of a Double Geared Drill.

**CHUCK.**—Three-jawed; capacity 0 to  $\frac{5}{32}$  inch. It has Knurled Nut, Nickel Plated, and is well made and accurate. Will hold any Twist Drill from  $\frac{5}{32}$  inch to No. 80.

**EQUIPMENT.**—Eight Fluted Drill Points are furnished with each tool, all contained in the handle.

Price, per dozen.....(RANKLE) \$20.00

Each Drill packed in a box, 11x3¼x2¼ inches.

Weight, per dozen, 14½ pounds.

## Hand Drill

No. 05

Capacity 0 to  $\frac{1}{4}$  inch

No Drill Points Furnished with this Tool

Chuck Patented August 13, 1895

This Drill has capacity to  $\frac{1}{4}$  inch, and is correspondingly larger and heavier than No. 4 or No. 4 $\frac{1}{2}$ .

HANDLE.—Polished Hard Wood.

EXTRA SIDE HANDLE.—Polished Hard Wood; can be removed at will.

FRAME.—Malleable Iron, well Japanned.

GEARS.—Cut Teeth. Nickel Plated.

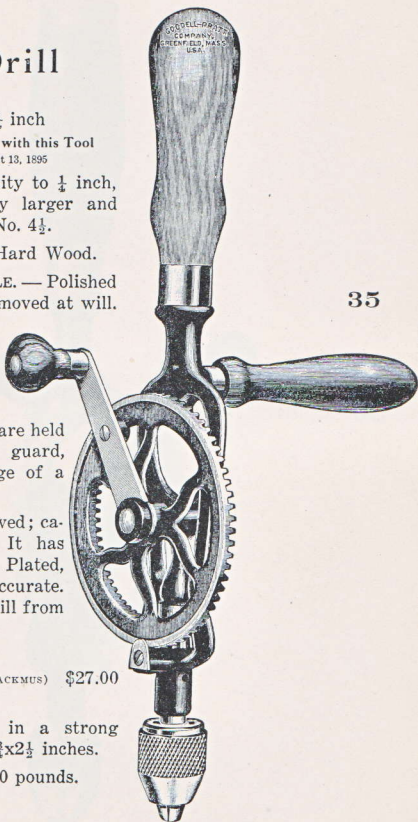
GUARD.—Both gears are held together by a steel guard, having every advantage of a Double Geared Drill.

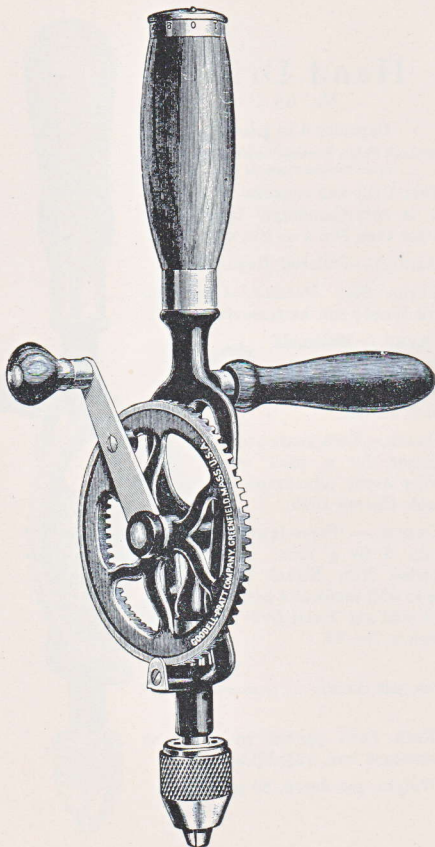
CHUCK.—Three-jawed; capacity 0 to  $\frac{1}{4}$  inch. It has Knurled Nut, Nickel Plated, and is well made and accurate. Will hold any Twist Drill from  $\frac{1}{4}$  inch to No. 80.

Price, per dozen. . . . (RACKMUS) \$27.00

Each Drill packed in a strong pasteboard box, 12 $\frac{3}{4}$ x3 $\frac{3}{4}$ x2 $\frac{1}{2}$  inches.

Weight, per dozen, 20 pounds.





## Hand Drill

No. 5

Capacity 0 to  $\frac{1}{4}$  inch

Chuck Patented August 13, 1895

This Drill has capacity to  $\frac{1}{4}$  inch, and is correspondingly larger and heavier than No. 4 or No. 4 $\frac{1}{2}$ .

HANDLE.—Polished Hard Wood, with Patent Drill Receptacle.

EXTRA SIDE HANDLE.—Polished Hard Wood; can be removed at will.

FRAME.—Malleable Iron, well Japanned.

GEARS.—Cut Teeth, Nickel Plated.

GUARD.—Both Gears are held together by a steel guard, having every advantage of a Double Geared Drill.

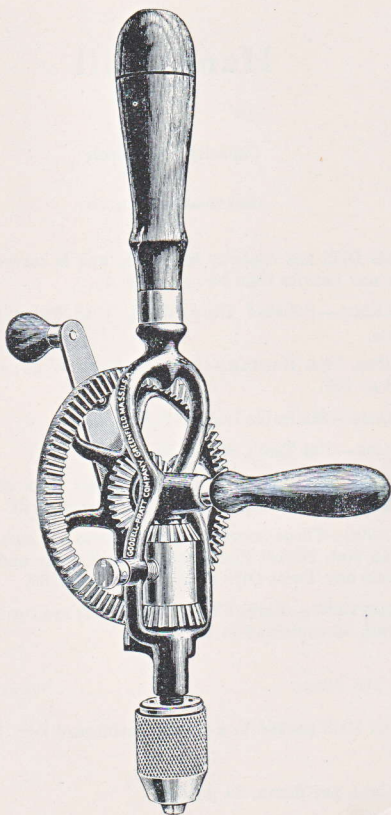
CHUCK.—Three-jawed; capacity 0 to  $\frac{1}{4}$  inch. It has Knurled Nut, Nickel Plated, and is well made and accurate. Will hold any Twist Drill from  $\frac{1}{4}$  inch to No. 80.

EQUIPMENT.—Eight Fluted Drill Points are furnished with each tool, all contained in the handle.

Price, per dozen.....(RACKET) \$36.00

Each Drill packed in a strong pasteboard box, 12 $\frac{3}{4}$ x3 $\frac{3}{4}$ x2 $\frac{1}{2}$  inches.

Weight, per dozen, 20 pounds.





## Hand Drill

No. 5  $\frac{1}{2}$

Capacity 0 to  $\frac{3}{8}$  inch

Patented August 13, 1895; March 31, 1896

This Drill embraces features never before used upon tools of this character, and is unquestionably the finest ever produced.

It has Double Gears, Two Speeds, and a Chuck, with capacity to  $\frac{3}{8}$  inch, as noted below.

FRAME.—Malleable Iron, Japanned.

HANDLE.—Polished Cocobolo, Screw Cap.

GEARS.—Cut Teeth.

SPEEDS.—It has Two Speeds, changed by turning the nut on the frame marked "F" and "S."

CHUCK.—Three-jawed; capacity 0 to  $\frac{3}{8}$  inch. It has Knurled Nut, Nickel Plated, well made and accurate.

Spindle runs in a hardened steel cone bearing.

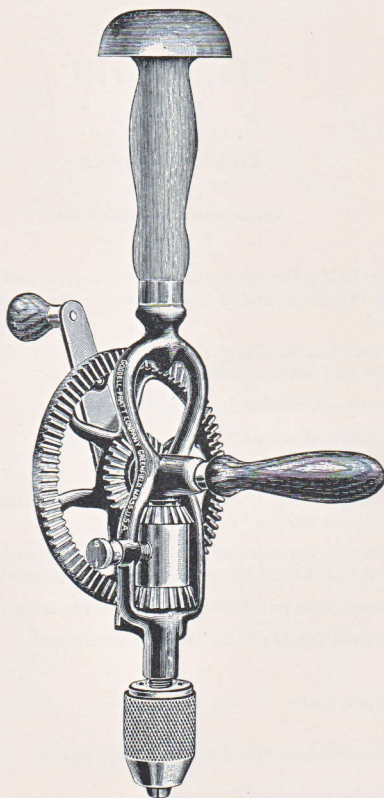
No Drill Points are furnished with this tool.

Price, per dozen..... (RACCOON) \$42.00

Each drill packed in a box,  $15 \times 4\frac{1}{4} \times 3\frac{1}{4}$  inches.

Weight, per dozen, 32 pounds.

40



## Hand and Breast Drill

No. 5½ B

Capacity 0 to  $\frac{3}{8}$  inch

Patented August 13, 1895; March 31, 1896

This tool is intended to fill a long-felt want for a Combination Hand and Breast Drill, the shape of the handle admitting of its use the latter way.

Its capacity is to  $\frac{3}{8}$  inch; and it has two speeds, facilitating the use of large-size drills.

It has Double Gears, Two Speeds, and a Chuck, with capacity to  $\frac{3}{8}$  inch, as noted below.

41

FRAME.—Malleable Iron, Japanned.

HANDLE.—Polished Hard Wood, Large Head.

GEARS.—Cut Teeth.

SPEEDS.—It has Two Speeds, changed by turning the nut on the frame marked "F" and "S."

CHUCK.—Three-jawed; capacity 0 to  $\frac{3}{8}$  inch. It has Knurled Nut, Nickel Plated, well made and accurate.

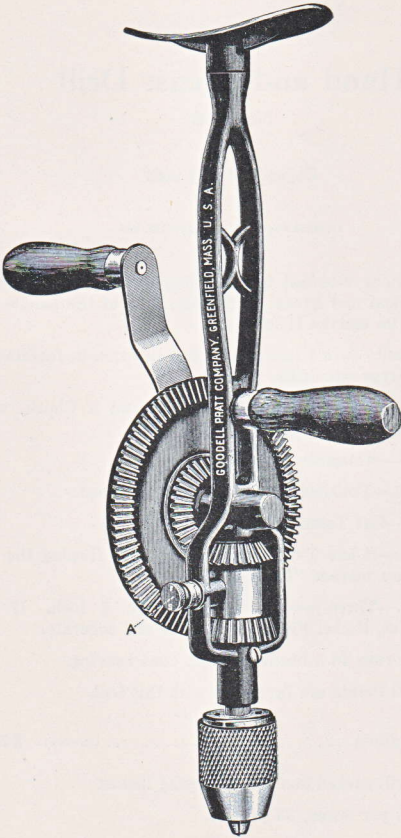
Spindle runs in a hardened steel cone bearing.

No Drill Points are furnished with this tool.

Price, per dozen..... (REBANE) \$42.00

Each drill packed in a box, 15x4¼x3¼ inches.

Weight, per dozen, 33 pounds.



## Breast Drill

No. 6

Patented August 13, 1895; March 31, 1896

We are herewith offering to the trade what we are confident is by far the most complete tool of the kind on the market. The cut shows all the general features; its special ones we enumerate as follows:

It has a Three-Jawed Chuck, capacity 0 to  $\frac{1}{2}$  inch. It is Double Geared, one gear remaining "idle" and acting as an anti-friction bearing when the other is at work.

All Gears have Cut Teeth. It has Two Speeds and can be changed from fast to slow by turning the thumb nut at "A" until the letter representing desired speed is nearest the Chuck.

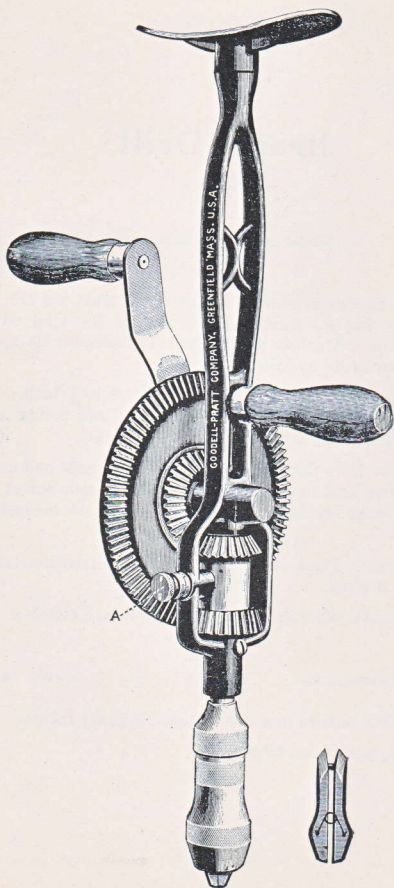
The Breast Plate is adjustable and its position can be changed if desired.

The Spindle runs in a hardened steel cone bearing.

Price, per dozen..... (RACER) \$48.00

Each Drill packed in a strong box,  $17 \times 5\frac{1}{4} \times 3\frac{1}{4}$  inches.

Weight, per dozen, 60 pounds.





## Breast Drill

No. 7

Patented March 31, 1896

This Drill is the same in every particular as the No. 6, shown on pages 42 and 43, except that it has an Improved Brace Chuck and Two Sets of Jaws, one for holding square shanks and one round shanks.

FRAME.—Malleable Iron, Japanned.

GEARS.—All Cut Teeth.

SPEEDS.—It has Two Speeds, changed by turning the nut at "A."

45

BREAST PLATE.—Adjustable; its position can be changed if desired.

CHUCK.—Well made and Nickel Plated; runs on a thread so fine that no stop catch or other similar device is necessary.

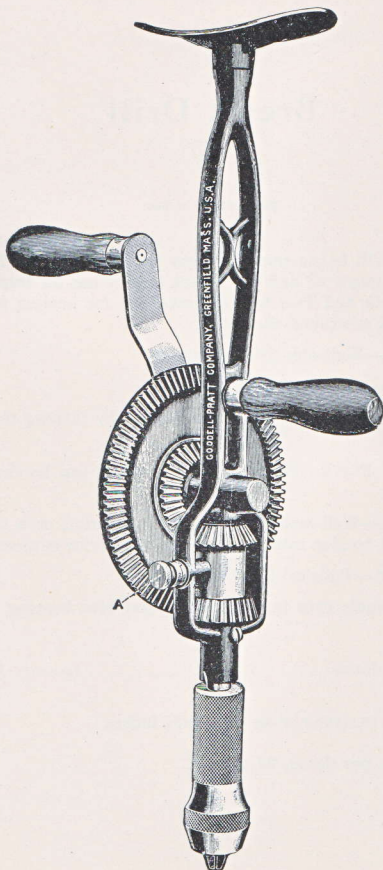
HANDLE.—Polished Hard Wood.

The Spindle runs in a hardened steel cone bearing.

Price, per dozen.....(RADISH) \$42.00

Packed in strong boxes 17x5 $\frac{1}{2}$ x3 $\frac{1}{4}$  inches.

Weight, per dozen, 60 pounds.



## Breast Drill

No. 07

For Square Shanks

This Breast Drill is identical with our No. 7, except in the Chuck.

The Chuck of this tool is intended to hold square shanks only; no extra Jaws are furnished with it.

The construction is on the order of a regular Bit Brace Chuck, and of a form somewhat simpler than the one used upon our No. 7; it is also somewhat less in price.

47

We wish to again call particular attention to the fact that this tool has Cut Gears, Two Speeds, Adjustable Breast Plate, in fact, is in every way identical with our other styles, except in the matter of the chuck.

Price, per dozen..... (RADJIB) \$36.00

Packed one in a box,  $17 \times 5\frac{3}{4} \times 3\frac{1}{4}$  inches.

Weight, per dozen, 60 pounds.

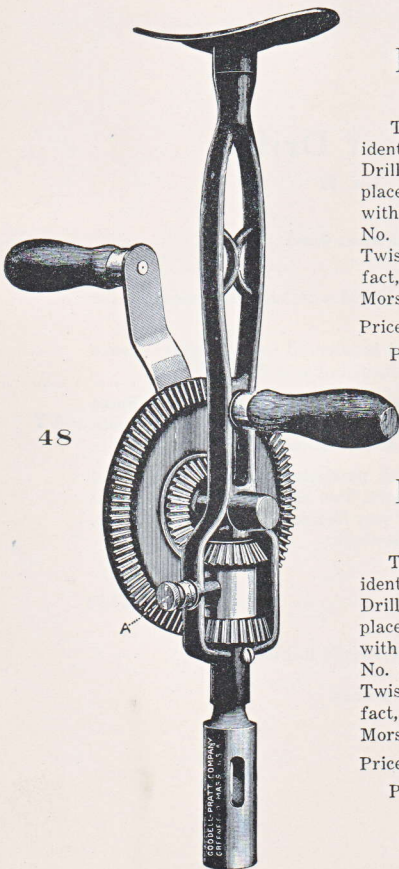
## Breast Drill

No. 61, M. T.

This tool is in every way identical with our Breast Drill No. 6, except that in place of the Chuck it is fitted with a Morse Taper Socket, No. 1, suitable for holding Twist Drills, Reamers, or, in fact, any tools with No. 1 Morse Taper Shanks.

Price, per dozen (RANCER) \$48.00

Packed one in a box.



## Breast Drill

No. 62, M. T.

This tool is in every way identical with our Breast Drill No. 6, except that in place of the Chuck it is fitted with a Morse Taper Socket, No. 2, suitable for holding Twist Drills, Reamers, or, in fact, any tools with No. 2 Morse Taper Shanks.

Price, per dozen (RALGER) \$48.00

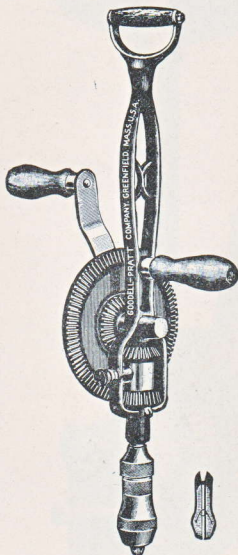
Packed one in a box.

# Breast Drill

No. 7 1/2

With Bit Brace Chuck

Two Sets of Jaws



49

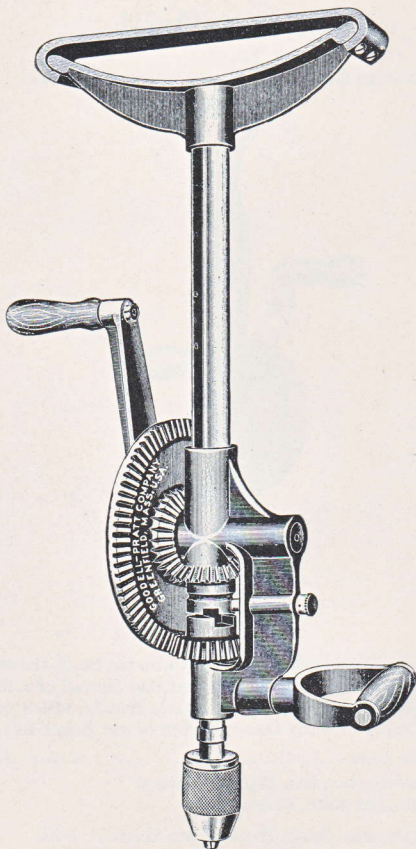
This Drill will be found identical with the No. 7, shown and described on pages 44 and 45, except that instead of a Breast Plate this tool is equipped with a Grip Handle, which will at once be appreciated by those desiring to use Auger Bits.

Price, per dozen.....(RADILE) \$42.00

Packed one in a box, 17x5 1/4 x 3 1/4 inches.

Weight, per dozen, 60 pounds.

Price of separate Spade Handles, per dozen.. (RALE) 3.00



50



## Giant Breast Drill

No. 58

Capacity 0 to  $\frac{1}{2}$  inch

Chuck Patented August 13, 1895

This Breast Drill is in every way identical with the No. 59 shown and described on the following pages, except in the size and capacity of the Chuck with which it is equipped.

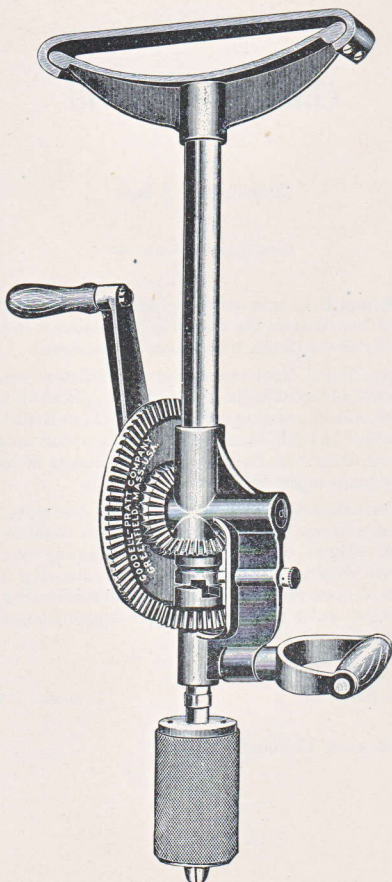
We have found from experience that different classes of work require different tools if the highest efficiency is to be maintained, and in bringing out our line of Giant Breast Drills, we have aimed to equip them with Chucks varying in capacity and style in order that the need or requirements of the most particular place might be fulfilled.

For some classes of work, running nearly or quite  $\frac{1}{2}$  inch, the ordinary Breast Drill as built for  $\frac{1}{2}$ -inch capacity is not sufficiently heavy; we are therefore equipping our Giant Breast Drill with a Chuck of this capacity, assuring the user a machine of great power and strength and eliminating a little of the weight which a Chuck of larger capacity would make necessary.

Price, per dozen..... (RABBIT)      \$100.00

Weight, each, 13 pounds.

52



## Giant Breast Drill

No. 59

Capacity 0 to  $\frac{3}{4}$  inch

Chuck Patented August 13, 1895

Careful scrutiny of the cut on the opposite page, added to a study of the dimensions noted below, cannot fail to convey in an impressive manner the power, strength, and size of this machine. It is a giant in every sense of the word, built for heavy, hard work; it weighs 13 pounds, but it has to; wherever possible Tubular Shafts have been used and weight eliminated. A leather Breast Plate makes possible the use of this heavy machine; the side handle of Spade pattern insures its being held steadily when in use. It is provided with Two Speeds, Cut Gears, Malleable Iron Crank, Three-Jawed Chuck, capacity 0 to  $\frac{3}{4}$  inch, and finished in Japan and Machine Enamel, with all steel parts polished bright.

53

Dimensions as follows:

Length, 23 inches.

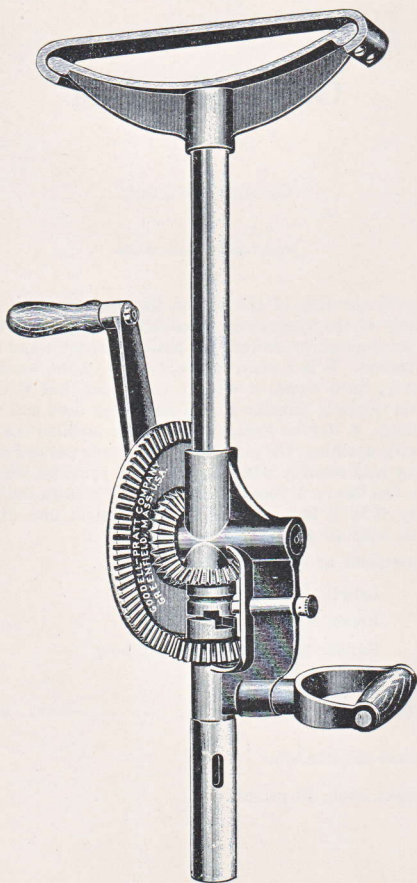
Breast Plate, 10 inches long.

Handle for Crank, 6 inches long.

Price, per dozen..... (RAJAH) \$120.00

Packed one in a box.

Weight, each, 13 pounds.



## Giant Breast Drill

No. 60

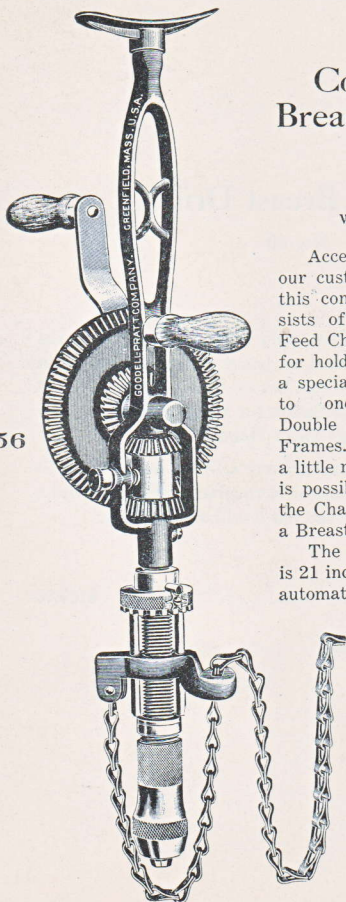
This Breast Drill is in every way identical with the No. 59, shown and described on pages 52 and 53, except in the matter of Chuck; this tool has no Chuck but is provided with a No. 2 Morse Taper Socket for holding Drills or other tools having a No. 2 Morse Taper Shank.

55

The user can at any time procure a Drill Chuck for use in connection with this tool, and by having his Chuck fitted with a No. 2 Morse Taper Shank can use it without difficulty.

Price, per dozen.....(RUSTIC) \$100.00

Weight, each, 13 pounds.



## Combination Breast and Chain Drill

No. 7307

With Automatic Feed

Acceding to the wishes of our customers, we are offering this combination tool. It consists of a No. 307 Automatic Feed Chain Drill with a Chuck for holding square shanks, and a special long spindle attached to one of our regular Double Speed Breast Drill Frames. This brings the work a little nearer the operator than is possible where the shank of the Chain Drill is inserted into a Breast Drill or Brace Chuck.

The total length of the tool is 21 inches. It has two speeds, automatic feed, cut gears, adjustable breast plate, ball bearings, and is equipped with 3 feet of steel chain; finished after the usual manner of our Breast and Chain Drills.

Price, each (CROTE) \$5.00

Packed one in a box,  
21x5½x3¼ inches.

Weight, 6¾ pounds.



## Combination Breast and Chain Drill

No. 7316

With Automatic Feed

Chuck Patented August 13, 1895

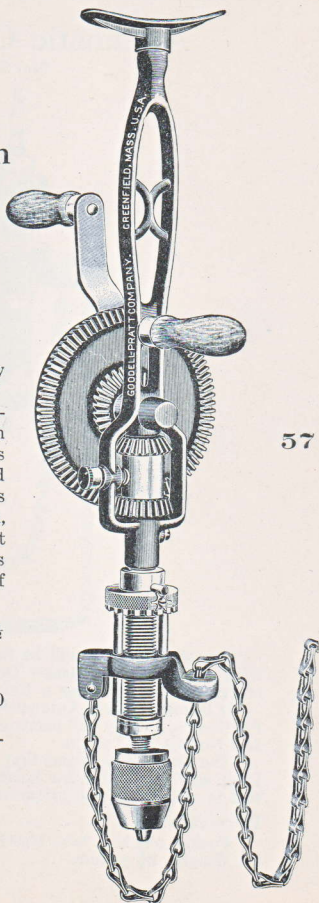
This tool is in every way identical with the No. 7307 shown and described on the preceding page, with the exception of the Chuck, which on this is suitable for holding round shanked Drills only. It has Two Speeds, Automatic Feed, Cut Gears, Adjustable Breast Plate, Ball Bearings, and is equipped with three feet of steel chain.

Capacity of Chuck 0 to  $\frac{1}{2}$  inch.

Price, each.....(CRAZE) \$7.00

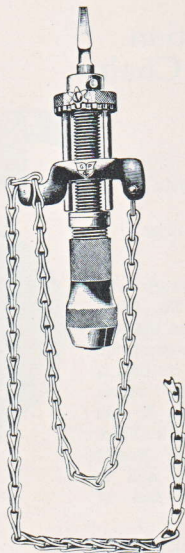
Packed one in a box,  $21 \times 5 \frac{1}{2} \times 3 \frac{1}{4}$  inches.

Weight, each,  $6 \frac{3}{4}$  pounds.



## Automatic Chain Drill

No. 307



58

The above device will be found very useful in connection with a Bit Brace or Breast Drill in many places where it is not convenient to bring a Ratchet Drill into use.

It has an entirely Automatic Feed; the End Thrust has its friction reduced by ball bearings; it has an equipment of three feet No. AA steel chain.

The Chuck is the same that we use upon our No. 07 Breast Drill, and is suitable for holding square shanks. The whole tool is well made and attractively finished.

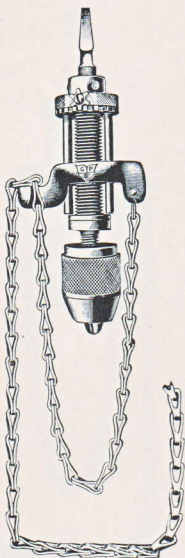
Price, each..... (CHADRIL) \$3.00

Packed one in a box,  $10 \times 4\frac{3}{4} \times 2\frac{1}{4}$  inches.

Weight,  $2\frac{3}{4}$  pounds.

## Automatic Chain Drill

No. 316



59

This tool is a companion to the No. 307, shown and described on the preceding page. The working mechanism of both is identical, they differ only in the style of the Chuck; the one shown above has a Three-Jawed Chuck for holding round shank Drills 0 to  $\frac{1}{2}$  inch; this is a valuable addition and one which cannot fail to be appreciated, as it enables the operator to get a degree of accuracy not obtainable where square shanks are used.

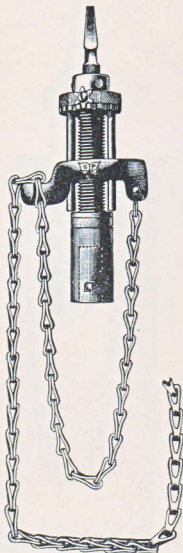
Price, each..... (CHALRID) \$5.00

Packed one in a box,  $10 \times 4\frac{3}{4} \times 2\frac{1}{4}$  inches.

Weight,  $2\frac{3}{4}$  pounds.

## Automatic Chain Drill

No. 308



60

This tool is the companion to the Nos. 307 and 316, shown and described on preceding pages. The working mechanism of all is identical, they differ only in the style of the Chuck; the one shown above is suitable for holding one-half inch round shanks only. While in the feature of the Chuck it is not quite as comprehensive a tool as the styles above referred to, the fact that it is somewhat less in price will make a ready market for it among dealers and consumers who are looking for a low-priced Chain Drill equipped with an Automatic Feed.

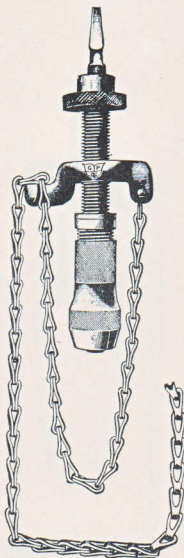
Price, each..... (CHAD) \$2.00

Packed one in a box, 10x4 $\frac{1}{4}$ x2 $\frac{1}{4}$  inches.

Weight, 2 $\frac{3}{4}$  pounds.

## Chain Drill

No. 0307



61

This Chain Drill is identical with the No. 307, shown and described on page 58, except that it has no automatic feed; the feed is controlled by turning the knurled end of the feed screw.

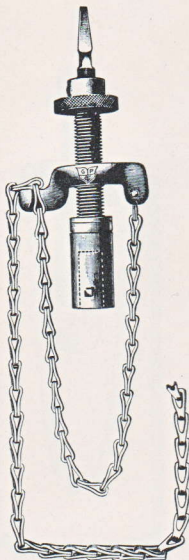
Price, each.....(CHARL) \$2.50

Packed one in a box,  $10 \times 4\frac{3}{4} \times 2\frac{1}{4}$  inches.

Weight,  $2\frac{3}{4}$  pounds.

## Chain Drill

No. 0308



62

This Chain Drill is identical with the No. 308, shown and described on page 60, except that it has no automatic feed; the feed is controlled by turning the knurled end of the feed screw. On certain classes of work it is much more desirable to have a hand feed; we are therefore bringing out this complement line with plain hand feed to enable us to meet all requirements.

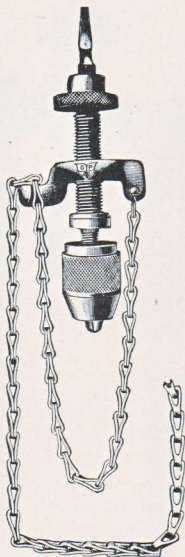
Price, each.....(CHANT) \$1.50

Packed one in a box,  $10 \times 4\frac{3}{4} \times 2\frac{1}{4}$  inches.

Weight,  $2\frac{3}{4}$  pounds.

## Chain Drill

No. 0316



63

This Chain Drill is identical with the No. 316, shown and described on page 59, except that it has no automatic feed; it has hand feed only.

Price, each.....(CHAIN) \$4.50

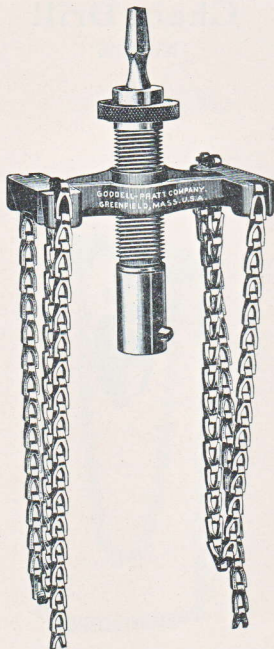
Packed one in a box,  $10 \times 4\frac{3}{4} \times 2\frac{1}{4}$  inches.

Weight,  $2\frac{3}{4}$  pounds.

For Ratchet Attachment, see page 65.



## Giant Chain Drills



64

These Chain Drills are much larger and heavier than any shown on the preceding pages. They have a 4x6 inch iron frame equipped with 5-foot chains.

Extreme length from end of shank to end of spindle, 9 inches.

They have ball-bearing thrust; hand feed; frame finished in japan; bright steel parts polished.

No. 317, has  $\frac{1}{2}$ -inch Round Socket.

Price, each..... (CARP) \$3.50

No. 318. has No. 1 Morse Taper Socket.

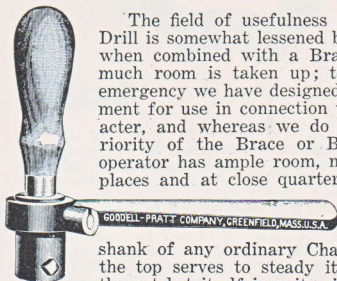
Price, each..... (CUDER) \$4.50

No. 319, has No. 2 Morse Taper Socket.

Price, each..... (CRUST) \$4.50

## Ratchet Attachment for Chain Drills

No. 81



The field of usefulness for an ordinary Chain Drill is somewhat lessened because of the fact that when combined with a Brace or Breast Drill too much room is taken up; to provide for such an emergency we have designed a little ratchet attachment for use in connection with tools of this character, and whereas we do not question the superiority of the Brace or Breast Drill where the operator has ample room, nevertheless in cramped places and at close quarters this attachment will prove very valuable. The socket is made to receive the shank of any ordinary Chain Drill, the handle at the top serves to steady it, and the operation of the ratchet itself is quite similar to any other tool of this character; the price is a very reasonable one. The construction is thoroughly practical, and the finish of japan and enamel gives it an attractive appearance.

65

Price, each..... (DRILLER) \$1.25

Packed one in a box,  $8\frac{1}{2} \times 2\frac{3}{4} \times 2\frac{1}{4}$  inches.

## Special Short Twist Drills



We can furnish Special Short Twist Drills in sets, particularly adapted for use in our Bench Drills, where Drills of regular length take up too much room.

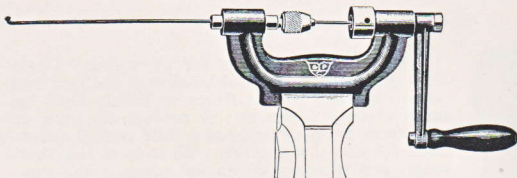
They are made in the uniform length of  $2\frac{1}{4}$  inches.

SET No. 080. Fitting No. 8 Drill. 1 each,  $\frac{1}{16}, \frac{3}{32}, \frac{1}{8}, \frac{5}{32}, \frac{3}{16}, \frac{7}{32}, \frac{1}{4}$  inch..... (LADLE) Per Set \$1.00

SET No. 090. Fitting No. 9 Drill. 1 each,  $\frac{1}{16}, \frac{3}{32}, \frac{1}{8}, \frac{5}{32}, \frac{3}{16}, \frac{7}{32}, \frac{1}{4}, \frac{9}{32}, \frac{5}{16}, \frac{11}{32}, \frac{3}{8}$  inch..... (LARGER) 2.00

## Peck's Wire Threader

No. 50



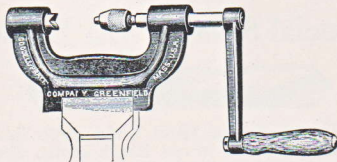
This little device will be found very convenient for cutting threads on the end of short or long wire rods. It can be easily held in any vise; the collet for holding the dies is attached to the crank spindle. The Chuck for holding the wire is a three-jawed one, capacity 0 to  $\frac{5}{32}$ , and will hold the work in alignment; it is attached to a hollow spindle, and slides back and forth in a splined groove; has malleable iron crank, with polished hard-wood handle. The frame is finished in japan, and all steel parts are polished. The collet is arranged for holding dies  $\frac{5}{8}$  inch outside diameter; any round die answering this description can be used in the machine. We can furnish collets for dies,  $\frac{1}{16}$  inch outside diameter, when specially ordered, without extra charge.

66

Price, each, without dies..... (PASTILE) \$2.50  
Weight,  $3\frac{1}{2}$  pounds.

## Vise Drilling Attachment

No. 51



By simplifying the device shown at the top of the page, rearranging the Chuck on the opposite end, putting a V center in the tail stock, we have converted it into a little Vise Drilling Attachment, with a Chuck capacity from 0 to  $\frac{5}{32}$ , making a very useful article at a very small cost.

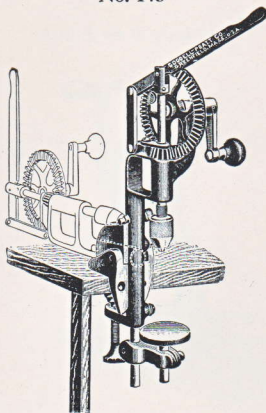
Price, each..... (THEME) \$2.00

Packed one set in a box.

Weight,  $3\frac{1}{2}$  pounds.

# Universal Bench Drill

No. 145



Height from Bench 8 inches  
Chuck capacity 0 to  $\frac{5}{32}$  inch

67

This Universal Bench Drill embodies many unique features seldom found in hand tools of any description, and we believe never before employed in a Drilling Machine. It can be used as either an Upright or Horizontal Drilling Machine; when, however, the horizontal feature is employed, the shaft carrying the table must be removed from the frame as it acts as a connecting rod between that portion of the frame used as a clamp and the portion supporting the gears and other mechanism; the rod, however, can be again placed in position when the machine is used horizontally, and by so doing the table may be brought into use.

The machine is fitted with a Three-Jawed Chuck, capacity 0 to  $\frac{5}{32}$ ; provided with Eight Fluted Drills from  $\frac{1}{16}$  to  $\frac{3}{4}$  Has Cut Gears; Steel Feed Screw; Adjustable Table; is 12 inches high over all, and weighs 3 pounds, and will drill to the center of a 2-inch circle.

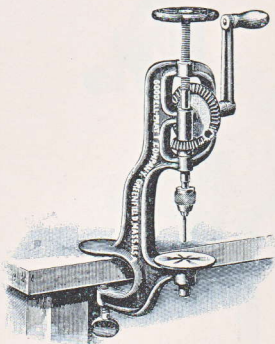
The many small features, which can hardly be enumerated in a brief description, can only be fully understood and appreciated by having the machine in actual use. It is in every sense of the word a small Universal Bench Drill; the working part of the machine can be set at almost any desired angle by means of the clamp nut working on the arc. The machine is smaller than our No. 8 Bench Drill, described elsewhere in this catalog; it has however many ingenious features entirely foreign to that machine.

Price, each..... (WARRANT) \$6.00  
Packed one in a box. Net weight, 3 pounds.

## Bench Drill

No. 8

Capacity 0 to  $\frac{1}{4}$  inch



68

Nothing in the line of a small Bench Drill of excellent quality and moderate price has ever been put on the market which can compare with the line we are here illustrating.

The No. 8 above shown is a substantial little machine, with solid Iron Frame, Cut Gears, Steel Feed Screw, and Adjustable Table, all well made and nicely fitted. It is furnished complete with a Three-Jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch, and Eight Fluted Drills, from  $\frac{1}{16}$  to  $\frac{1}{8}$  inch. The height from the table to the feed wheel is 13 inches.

The machine is finished in an attractive manner, and will prove a ready seller.

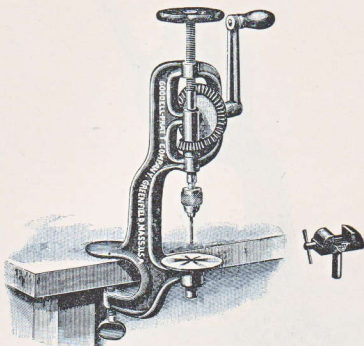
Price, each.....(LACKEY) \$5.00

Shipping weight, 11 pounds.  $16\frac{1}{2} \times 10 \times 6\frac{1}{2}$  inches.

## Bench Drill

No. 8  $\frac{1}{2}$

Capacity 0 to  $\frac{1}{4}$  inch



69

This machine is identical with the No. 8, shown and described on the preceding page, except that it has the additional equipment of a Special Vise, which can be used in place of the table for holding the work.

The Jaws open  $1\frac{3}{16}$  inches, and operate on a right-hand and left-hand screw.

Price of Machine and Vise, complete, each . . . . (LAVKEY) \$6.50

Shipping weight, 13 pounds.  $16\frac{1}{2} \times 10 \times 6\frac{1}{2}$  inches.

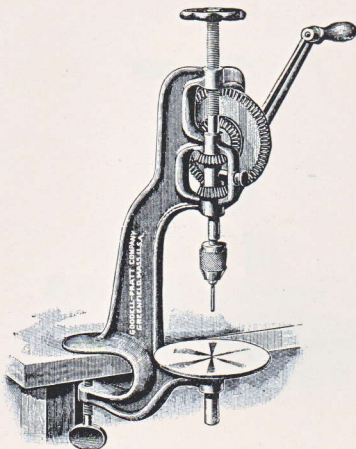
Price of Separate Vises, each . . . . . (AUKEY) 1.50



## Bench Drill

No 9

Patented August 13, 1895; March 31, 1896



70

This machine is the companion to the one shown on the preceding page, but made correspondingly larger and heavier.

It has a solid Iron Frame, Cut Gears, and two different Speeds quickly changed by a shifter conveniently located, an Adjustable Table, and Steel Feed Screw, all well made and fitted. It is furnished complete with a Three-Jawed Chuck, capacity 0 to  $\frac{3}{8}$  inch, and Eight Fluted Drills. The height from the table to the feed wheel is 18 inches. Sizes Drill Points furnished  $\frac{1}{16}$  to  $\frac{1\frac{1}{4}}{8}$  inch.

The machine is finished in an attractive manner, and it will be found a very practical and durable tool.

Price, each.....(LABUMO) \$8.00

Shipping weight, 18 pounds.  $20\frac{3}{4} \times 12 \times 6\frac{1}{4}$  inches.

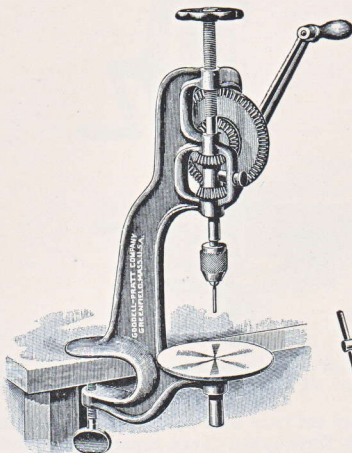


## Bench Drill

No. 9½

Capacity 0 to  $\frac{3}{8}$  inch

Patented August 13, 1895; March 31, 1896



71

This machine is identical with the No. 9, but is furnished with a Special Vise, which can be used in place of the table for holding the work.

The Jaws open 2 inches and operate on a right-hand and left-hand screw.

Price of Machine and Vise, complete, each . . . (LABMER) \$10.00

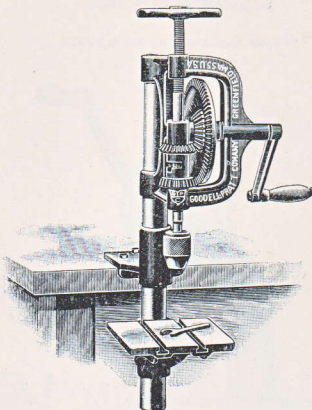
Shipping weight, 22 pounds. 20 $\frac{3}{4}$ x12x6 $\frac{1}{4}$  inches.

Price of Separate Vises . . . . . (LACKMUS) 2.00

## Bench Drill

No 10

Capacity 0 to  $\frac{1}{2}$  inch



72

UPRIGHT SHAFT.—Polished Steel Tube,  $1\frac{1}{2}$  inches diameter, 24 inches long; all the working parts of the machine are clamped to it.

GEARS.—Are cut from solid blanks and run smoothly.

CHUCK.—A Three-Jawed Chuck, capacity 0 to  $\frac{1}{2}$  inch, furnished and fitted to each machine.

TABLE.—Milled and slotted; size,  $6 \times 6\frac{1}{2}$  inches; adjustable up and down, or right and left, or can be entirely removed, and work blocked up from the floor, if desired.

SPEEDS.—Two, changed by throwing cam attached to shifter knob.

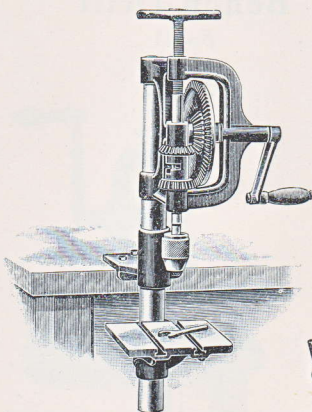
It is a thoroughly well made and practical machine in every sense of the word, and excessive weight has been obviated by using a tubular shaft.

Price, complete with Chuck.....(LATREST) \$15.00

Shipping weight, 39 pounds. 26x11x10 inches.

# Bench Drill

No. 10½



73

This machine is in every way identical with the No. 10; it is, however, equipped with the following extras, as shown in the cut:

1 Special Vise, with Jaws opening 2 inches, and operated on a right-hand and left-hand screw.

1 Plain Center.

1 Cup Center.

1 V Center.



These extra attachments will be found very useful in doing a variety of special work.

Price, complete with Attachments.....(LADRULE) \$18.00

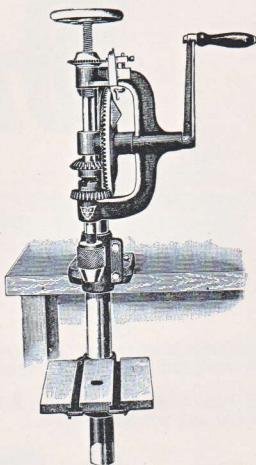
Shipping weight, 43 pounds. 26x11x10 inches.

Price of Separate Vises, each.....(LUTER) 2.00

Price of Extra Centers, per set.....(LUSTER) 1.00

## Bench Drill

No. 11



74

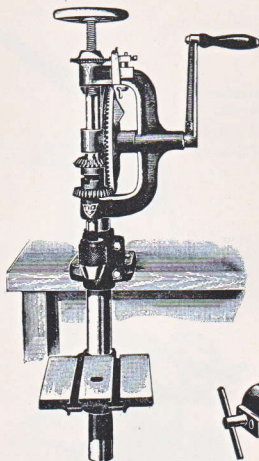
This machine is in every way identical with the No. 10; it has the addition, however, of an Automatic Feed, which can be used or thrown out at the will of the operator.

Price, each.....(LAXER) \$18.00

Shipping weight, 39 pounds. 26x11x10 inches.

## Bench Drill

No. 11 ½



75



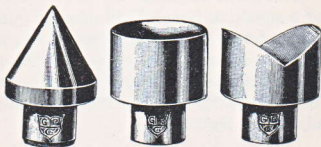
This machine is in every way identical with the No. 11, with the addition of the following extra equipment:

1 Special Vise, with Jaws opening 2 inches, and operated on a right-hand and left-hand screw.

1 Plain Center.

1 Cup Center.

1 V Center.



These extra attachments will be found very useful for doing a variety of special work.

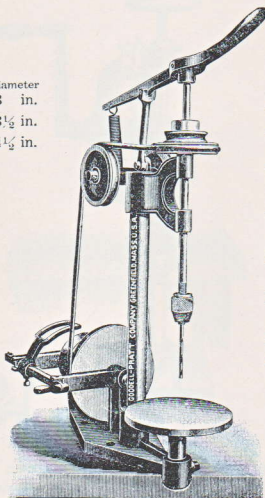
Price, complete with Attachments..... (LAXINE) \$20.00

Shipping weight, 43 pounds. 26x11x10 inches.

# Power Bench Drill

No. 12

Diameter  
Loose pulley . 3 in.  
1st step . . 3 $\frac{1}{2}$  in.  
2d step . . 4 $\frac{1}{2}$  in.



Spindle movement,  
3 $\frac{1}{4}$  inches, or can be  
set for any less length.

Drills to center of  
6 $\frac{1}{4}$  inch circle.

Table Diameter, 4 $\frac{7}{8}$   
inches.

Table adjustment,  
2 $\frac{1}{4}$  inches.

Total height, 24  
inches.

Extreme distance  
from Chuck to table,  
8 inches.

76

This little machine we have made to meet the demands for a sensitive Bench Drill of good quality, which can be sold at a moderate price; we believe we have accomplished all that could be asked of us. The cut conveys a good idea of its general characteristics; it is equipped with a Three-Jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch, an Adjustable Table and an Adjustable Spindle.

Price, each..... (LAXILL) \$15.00

Each machine packed in a wooden box, 20 $\frac{1}{2}$ x17x8 inches.

Shipping weight, 30 pounds.



## Foot Power Drilling Machine

No. 79

Fitted with Three-Jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch

Chuck Patented August 13, 1895

The general features of this machine will be as well understood by a careful scrutiny of the accompanying illustration as from any general description; anyone having use for a Foot Power Drilling Machine will find the numerous features used in the construction of this tool will materially extend the field of usefulness formerly occupied by machines of this character. The simplicity of its construction will be at once taken note of, the geared drive making possible an extreme spindle speed of nearly 3,000 revolutions per minute; it is protected by a guard not shown in cut. The table is adjustable, and both the idler and spindle pulleys have two steps. General dimensions as follows:

Height, 54 inches.

Distance Floor to Table, 36 inches.

Distance Chuck to Table, 7 inches.

Diameter of Table,  $5\frac{1}{4}$  inches.

Diameter of Large Pulley, 12 inches.

Diameter of Small Pulley,  $1\frac{7}{8}$  and  $1\frac{3}{8}$  inches.

Diameter of Large Gear,  $5\frac{5}{8}$  inches.

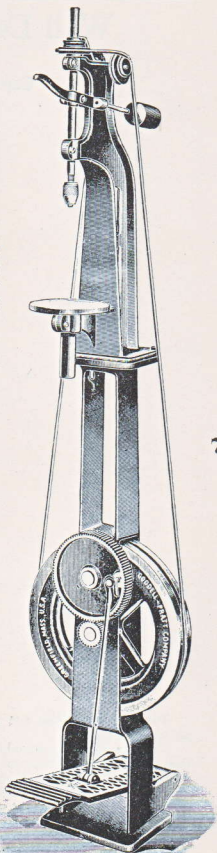
Diameter of Small Gear,  $1\frac{3}{4}$  inches.

Drills to the center of 6-inch circle.

Attractively painted with machine enamel.

Price, each . . . . . (LABOR) \$25.00

Gross weight, 110 pounds; net weight, 85 pounds.



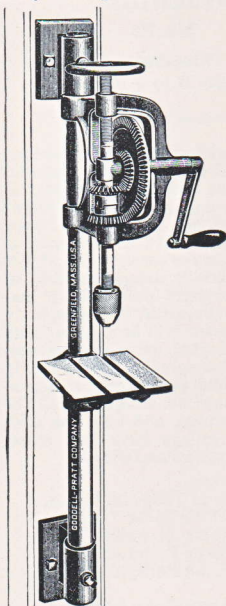


Goodell-Pratt Company

## Wall Drilling Machine

No. 63

Capacity 0 to  $\frac{1}{2}$  inch



78

Please Note—The cut shows Iron Brackets fastened to plank. No plank included.

This machine is provided with two Iron Brackets, and so arranged that these can be fastened to a post or to the wall, making a very convenient Wall Drilling Machine. The operating mechanism, in fact, the entire head and table, are the same as those used upon our No. 10 Bench Drills:

The dimensions are as follows: Length of shaft, 33 inches; diameter of shaft,  $1\frac{1}{2}$  inches; distance from table to Chuck,  $11\frac{1}{2}$  inches. The machine will drill to the center of an 8-inch circle; it has Cut Gears, two Speeds, and is fitted with a Three-Jawed Chuck, capacity from 0 to  $\frac{1}{2}$  inch.

Price, each..... (LODER) \$16.00

Weight, boxed, 50 pounds, 36x10x9 inches.

## Wall Drilling Machine

No. 63½

Capacity 0 to ½ inch

This machine is in every way identical with the No. 63, as shown on the preceding page, with the addition of the following equipment:

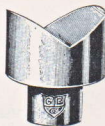
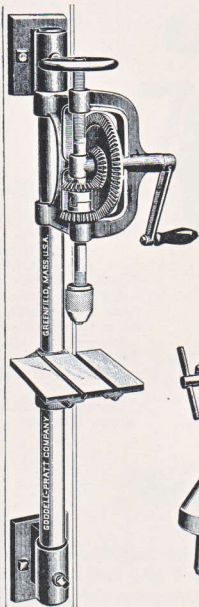
1 Special Vise, with Jaws opening 2 inches, and operating on a right-hand and left-hand screw.

1 Plain Center.

1 Cup Center.

1 V Center.

79



Cut shows Drill fastened to a plank. No plank furnished.  
Price, each..... (LUBBER) \$19.00

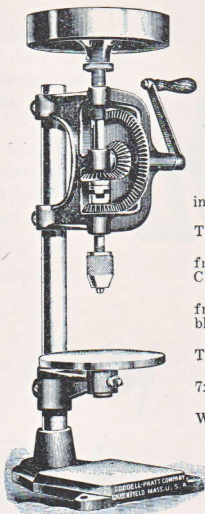
Each machine packed in a box, 36x10x9 inches.

Gross weight, 51 pounds; net weight, 37 pounds.

## Bench Drill

No. 72

Capacity 0 to  $\frac{1}{2}$  inch



Extreme Height, 27 inches.

Height to Top of Tube, 24 $\frac{1}{2}$  inches.

Extreme Distance from Round Table to Chuck, 5 $\frac{1}{2}$  inches.

Extreme distance from Rectangular Table to Chuck, 11 inches.

Diameter of Round Table, 7 inches.

Rectangular Table, 7x6 inches.

Diameter of Balance Wheel, 7 inches.

80

This machine has Cut Gears; has Two Speeds; is fitted with Three-Jawed Chuck, capacity 0 to  $\frac{1}{2}$  inch; is provided with two tables, one oblong and stationary, the other round and swinging; has heavy balance wheel, turned and polished, making a Bench Drill of attractive design, practical construction, and great utility.

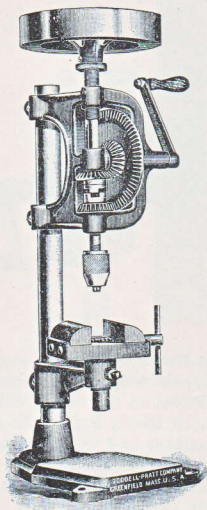
Price, each.....(LITTER) \$18.00

Gross weight, 70 pounds; net weight, 50 pounds.

## Bench Drill

No. 72  $\frac{1}{2}$

Capacity 0 to  $\frac{1}{2}$  inch



81

This machine differs in only one particular from the No. 72, shown and described on the preceding page. It has a special Vise on the swinging arm in place of the round table; the jaws of this Vise open 2 inches, and particular attention is called to the fact that the swinging arm to which Vise is attached can be thrown to either right or left when operator desires to use the plain table. Finish same as No. 72.

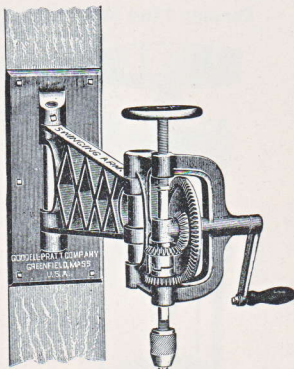
Price, each.....(LABEL) \$20.00

Gross weight, 70 pounds,

Net weight, 50 pounds.

# Bench Drill

No. 18



82

This deep throat Bench Drill is constructed by attaching a swinging arm,  $7\frac{3}{8}$  inches wide and 24 inches long, to a heavy rigid wall plate. Fitted to the end of this arm is the head of our regular No. 10 Bench Drill, with Cut Gears; Three-Jawed Chuck, capacity 0 to  $\frac{1}{2}$  inch; two speeds, changed by throwing a cam attached to shifting rod.

This machine will drill to the center of a 54-inch circle, and when not in use will swing back against the wall, out of the way.

Can be used above a wide bench to greatest advantage.

Price, each.....(LEAD) \$17.00

Packed one in a box, 26x11x10 inches.

Weight, 67 pounds.

No. 18A, same as above, with Automatic Feed.

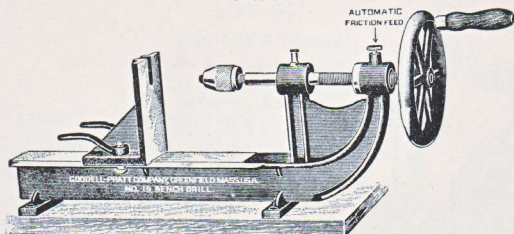
Price, each.....(LEADER) \$20.00

Packed one in a box, 26x11x10 inches.

Weight, 67 pounds.

## Horizontal Bench Drill

No. 19



In designing this tool we have endeavored to see how well we could make it. There is nothing cheap about any part of its construction. The bed is milled, as is also the tail stock, both on the bearing surface and on its face; clamping nuts are provided with handles for convenience. The edge of the hand wheel is turned and polished. Has an Automatic Closing Oil Cup; has steel Feed Screw and Spindle; is provided with an Automatic Friction Feed, regulated by turning the Thumb Screw shown in cut; is fitted with a Three-Jawed Chuck. capacity 0 to  $\frac{3}{8}$  inch.

83

The body of the machine is finished in enamel and machine parts are polished bright.

The dimensions are as follows:

Total length of bed, 21 inches.

Total length of machine, 25 $\frac{1}{2}$  inches.

Length of milled bed, 12 $\frac{1}{2}$  inches.

Drills to the center of a 7 $\frac{3}{4}$ -inch circle.

Spindle runs 4 inches.

Extreme distance from Chuck to Tail Stock, 7 $\frac{1}{4}$  inches.

Total height from Bench to top of Balance Wheel,  
10 inches.

Price, each.....(LEAF) \$8.00

Packed one in a box, 23x11x8 inches.

Gross weight, 25 pounds. Net weight, 15 pounds.



## Angular Clamp Drill

No. 74

Capacity 0 to  $\frac{1}{2}$  inch

Chuck Patented August 13, 1895

Extreme Height, 31 inches.  
Length of Tube, 24 inches.  
Distance from Chuck to Upright Shaft, 8 inches.  
Diameter of Tubular Shaft,  $1\frac{1}{2}$  inch.  
Length of Screw in Clamp Plate,  $4\frac{3}{4}$  inches.  
Length of Feed Screw,  $4\frac{1}{4}$  inches.  
Length of Crank Handle,  $6\frac{1}{2}$  inches.

The construction of this Angular Clamp Drill with its Tubular Upright Shaft, Cut Gears, Two Speeds with quick change, will open at once a large field in which Drills of this character have not heretofore been employed; particular emphasis is laid upon the fact that the Upright Shaft is a

hollow tube, magnifying the power and minimizing the weight of the tool. Its general dimensions are noted in the specifications above.

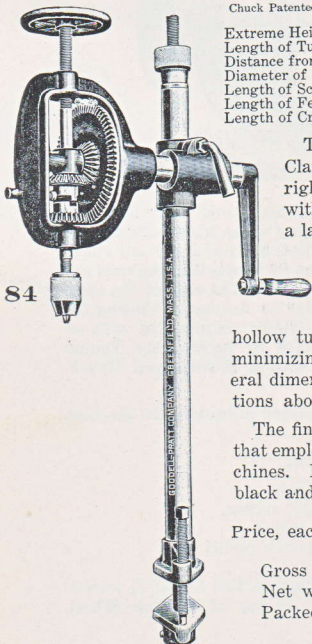
The finish of this tool is identical with that employed upon our other Drilling Machines. Iron parts in machine enameled black and red, steel parts polished.

Price, each.....(LATENT) \$25.00

Gross weight, 50 pounds.

Net weight, 35 pounds.

Packed one in a wooden case.





## Angular Clamp Drill

No. 76

This tool is the companion of the No. 74, shown and described on the preceding page, but is much larger and heavier. It has a Tubular Shaft 2 inches in diameter, 30 inches long; it has all Cut Gears, the Inside Pinions being of steel. It has Ball Bearings to take up the end thrust of the Spindle, and a powerful Crank Shaft for operating the machine. The Spindle is fitted for holding  $\frac{1}{2}$ -inch round shank Drills, and is provided with the additional equipment of a No. 16 Drill Chuck with  $\frac{1}{2}$ -inch shank for holding smaller sizes. It is possible with this machine to drill holes 1 inch in diameter with comparative ease.

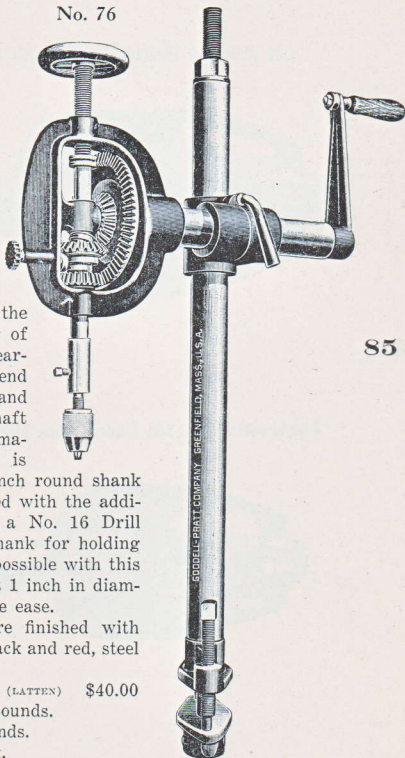
The iron parts are finished with machine enamel in black and red, steel parts are polished.

Price, each..... (LATTEN) \$40.00

Gross weight, 85 pounds.

Net weight, 65 pounds.

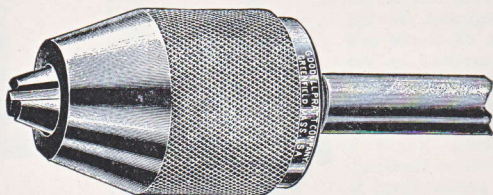
Packed one in a box.



# Goodell-Pratt Company

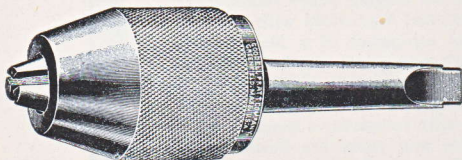
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Cut showing No. 16 Chuck, with  $\frac{1}{2}$ -inch Shank



86

Cut showing No. 15 $\frac{1}{2}$  Chuck, with Morse Taper Shank



## Goodell-Pratt Drill Chucks

Patented August 13, 1895

Realizing the great demand for a Drill Chuck of moderate cost and good quality, we take pleasure in offering one we are confident will meet all requirements.

No Spanner Wrench is required with this Chuck. It can be tightened or loosened easily without one. The shank or spindle is arranged to receive a stud which, as the shell is turned, forces the jaws forward and tightens the Chuck.

The three Hardened Steel Jaws are held apart by separating springs which draw the jaws back as the Chuck is loosened.

Well finished, strong, accurate.

Fitted with  $\frac{1}{2}$ -inch or  $\frac{11}{16}$ -inch shanks for Angular or Blacksmith Drills, or with Morse Taper Shanks, as desired.

	Straight Shanks $\frac{1}{2}$ inch or $\frac{11}{16}$ inch	Morse Taper No. 1 or No. 2
No. 14 to $\frac{5}{8}$ inch, each..... (SANE)	\$1.50	\$2.00
No. 15 to $\frac{1}{4}$ inch, each..... (SALE)	2.00	2.50
No. 15½ to $\frac{3}{8}$ inch, each..... (SEAR)	3.00	3.50
No. 16 to $\frac{1}{2}$ inch, each..... (SCAR)	4.00	4.50

Each Chuck packed in a box.

☞ Half-inch Shanks sent unless otherwise specified.

# Goodell-Pratt Company

## Drill Chuck

No. 13½



We have had a great many calls for a Chuck of this character, with extremely small capacity, and built particularly for a small class of work.

We have sold them in very large quantities for use upon small Multiple Spindle Drilling Machines and for special and regular Button Machinery.

They will be found extremely serviceable, and not easy to get out of order.

They have a capacity to  $\frac{1}{16}$  inch, and are furnished, unless otherwise specified, complete with a  $\frac{1}{4}$ -inch shank or spindle.

Price, each..... (SLARNE) \$1.50

Packed one in a box,  $4\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$  inches.

We shall be pleased to quote, on application, special prices on these Chucks when ordered in large quantities, and without spindles.

## Drill Chuck

No. 16½

Capacity 0 to  $\frac{3}{4}$  inch

Patented August 13, 1895

88



This Chuck is the same in character and form of construction as those shown and described on pages 86 and 87.

It is made much larger and heavier, and will hold without difficulty Drills up to  $\frac{3}{4}$  inch; it is fitted with a spindle or shank 1 inch in diameter, 6 inches long, and will be found an excellent tool for holding Drills up to its extreme capacity.

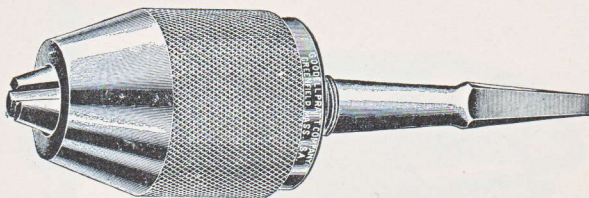
Price, each..... (SCACE) \$6.00

Packed one in a box,  $10\frac{3}{4} \times 2\frac{3}{4} \times 2\frac{3}{4}$  inches.

Weight,  $4\frac{1}{2}$  pounds.

## Drill Chucks with Brace Shanks

Patented August 13, 1895



89

These Chucks are identical with those shown on pages 86 and 87, except in the style of the shank. We are offering them with shanks of this description because it is often a matter of great convenience to have a Chuck of this character to use in an ordinary Bit Brace.

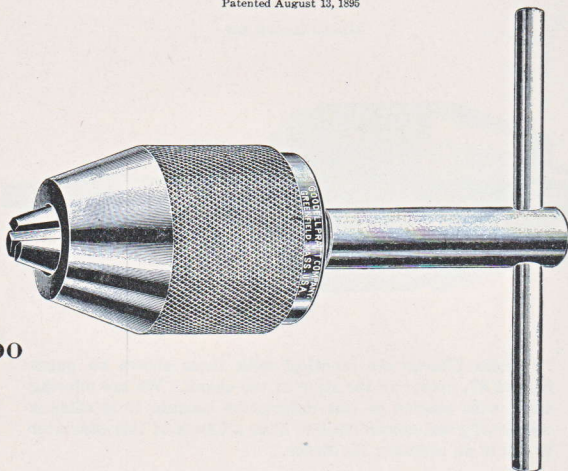
These shanks are milled on centers, keeping them in perfect alignment with the other parts of the tool, and insuring their running well, providing, of course, that the jaws in which they are to be held are equally accurate.

No. 14B	to $\frac{5}{8}$ inch, each.....	(SANE)	\$2.00
No. 15B	to $\frac{1}{2}$ inch, each.....	(SALEB)	2.50
No. 15 $\frac{1}{2}$ B	to $\frac{3}{8}$ inch, each.....	(SEARE)	3.50
No. 16B	to $\frac{1}{2}$ inch, each.....	(SCARB)	4.50

Each Chuck packed in a box.

## Chucks with Cross Handles

Patented August 13, 1895



90

These Chucks are identical with those shown on pages 86 and 87, except in the style of the shank. This idea of attaching a Cross Handle to the shank is not a new one, but one which has been much in vogue in the assembling of small and large machinery where Reamers and Taps have often to be used for cleaning holes and removing burrs; they are made in four sizes, as listed below:

No. 14C	to $\frac{5}{32}$ inch, each.....	(SANEC)	\$2.00
No. 15C	to $\frac{1}{4}$ inch, each.....	(SALEC)	2.50
No. 15½C	to $\frac{3}{8}$ inch, each.....	(SEARC)	3.50
No. 16C	to $\frac{1}{2}$ inch, each.....	(SCARC)	4.50

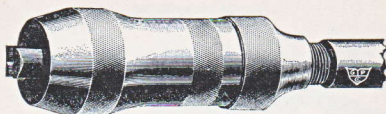
Each Chuck packed in a box.



## Chuck for Square Shanks

No. 17

Patented March 31, 1896



This tool will be found useful for machines in which it is desired to use Drills or Bits with square shanks.

It is well made, nicely finished, strong, and accurate.

Fitted with  $\frac{1}{2}$ -inch spindles.

Price, each.....(MARBLE) \$2.00

These can be fitted with  $\frac{4\frac{1}{4}}{6}$ -inch spindles, if desired.

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## Bit Brace Chucks with Long Shanks

No. 207



These Chucks are the same in construction as those used upon our No. 07 Breast Drill. They are furnished with shanks of various lengths, as listed below:

	Each
12 inch..... (MACE)	\$1.50
15 inch..... (MICE)	1.75
18 inch..... (MECE)	1.75
20 inch..... (MOCE)	1.75
24 inch..... (MUCE)	2.00

Packed one in a box.



## LEFT-HAND Drill Chucks

Patented August 13, 1895



92

These Chucks are identical with those shown and described on pages 86 and 87, except that the spindles are made with *left-hand* threads and can be used upon machines running left-handed.

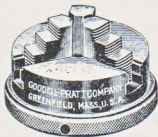
Fitted with  $\frac{1}{2}$ -inch or  $\frac{1\frac{1}{4}}{8}$ -inch shanks, or with Morse Taper Shanks, as desired.

	Each	Each
No. 14L.H. to $\frac{5}{8\frac{1}{2}}$ inch..... (ABFT)	\$1.50	\$2.00
No. 15L.H. to $\frac{1}{4}$ inch..... (ABACK)	2.00	2.50
No. 15 $\frac{1}{2}$ L.H. to $\frac{3}{8}$ inch..... (ABET)	3.00	3.50
No. 16L.H. to $\frac{1}{2}$ inch..... (ABASE)	4.00	4.50

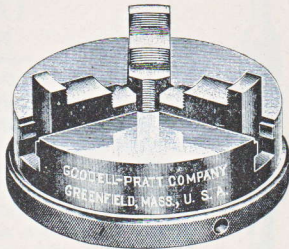
Each Chuck packed in a box.

Half-inch Shanks sent unless otherwise specified.

## Scroll Chucks



No. 180½  
Showing Inside Jaws



No. 182  
Showing Outside Jaws

93

Tools of this character are too well known to require detailed description. We find users of our tools insisting that we supply them with small Scroll Chucks in 2, 3, and 4-inch sizes; we are therefore offering a line designed particularly with the view to eliminating, in so far as it is possible to do so, the weak points in other similar tools now on the market. We believe we have produced a Chuck strong and serviceable which can be sold at a moderate price.

The Jaws are hardened, other steel parts are polished bright. No Face Plates are furnished. Jaws are not interchangeable, each set being fitted to its own Chuck.

		Each
No. 180	2 inches in diameter, outside jaws only..... (BABBLE)	\$5.00
No. 180½	2 inches in diameter, both outside and inside jaws .. (BABOON)	6.50
No. 181	3 inches in diameter, outside jaws only..... (BADGER)	6.00
No. 181½	3 inches in diameter, both outside and inside jaws.. (BAFFLE)	7.50
No. 182	4 inches in diameter, outside jaws only..... (BAILIFF)	7.00
No. 182½	4 inches in diameter, both outside and inside jaws.. (BALANCE)	9.00

Each Chuck packed in a box.

*Wm. Pratt*

## Spiral Ratchet Screw-Driver

No. 111

Patent Applied For

With Three Interchangeable Tool Steel Blades

Length, extended, with Blade in place, 18 inches.

Length, closed, with Blade removed, 10 inches.

Angle Slant of Spiral, 20°.

This tool is a strong, heavy, practical Automatic Screw-Driver, capable of either right or left hand work automatically or by using the ratchet mechanism, and can also be made a stationary Screw-Driver by turning the knurled shell until it registers at the star marked on the polished ferrule.

The mechanism of this tool is as simple as it is possible to make it and provide for the various changes necessary to accomplish the right, left, rigid, automatic, or ratchet work. The dogs operating upon the spiral nuts are made of a special tool steel, the changes being accomplished by a formed ring contained within the knurled shell; this ring, when the shell is turned, shifts the dogs to the required position. If the operator desires to take the tool to pieces, he should use care in reassembling, and see that each part is in its proper place.

The grooves of the spiral should be kept well oiled with good lubricating oil. The entire bearing in an Automatic Screw-Driver is upon the internal thread of the spiral nut; they will wear out easily if allowed to run dry.

Price, per dozen.....(ASTER) \$30.00

Each tool packed in a box,  $10\frac{1}{4} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches.

Weight, per dozen, 12 pounds.

94



# Reversible Automatic Interchangeable Screw-Driver

No. 22

Patented October 5, 1897

The cut on this page represents the simplest, the most compact, the strongest, and in every way the most practical tool for both driving and drawing screws automatically, yet produced.

It has two separate and distinct spirals, each working entirely independent of the other.

This Screw-Driver is of the same general appearance and relative size as the Goodell-Pratt Screw-Driver, No. 2.

Unquestionably the finest specimen of mechanical ingenuity ever shown in a Screw-Driver.

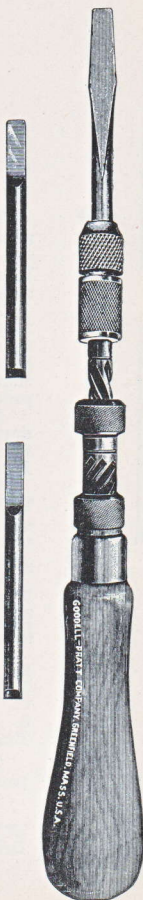
Each with three Bits

Price, per dozen . . . . . (APPEAR) \$30.00

Length, with one spiral out,  $16\frac{1}{2}$  inches.

Packed one in a box,  $9 \times 2 \times 1\frac{3}{4}$  inches.

Weight, about 11 pounds per dozen.



# Automatic Interchangeable Screw-Drivers

No. G40

Patented July 22, 1890 ; November 17, 1891

This tool is made to be used as an Automatic, Ratchet, or a Plain Screw-Driver; therefore if it is found that a screw cannot be driven by using it automatically, it is readily done by using it as a Ratchet or Plain Screw-Driver.

The Bits are forged from the best cast steel, nicely finished, of different sizes, enabling the operator to select one to fit any size of screw he may wish to use. These Bits can be instantly interchanged and secured in the Chuck provided for the purpose.

It is simple in its construction, strong and durable, will not get out of order, and is unquestionably the most popular and most practical Automatic Screw-Driver on the market.

The sliding sleeve at "A" will be at once understood and appreciated.

The handle is of thoroughly seasoned hard wood, nicely finished. The whole tool is not only attractive, but also very strong and durable.

It is made in three sizes, Nos. 1, 2, and 3, as mentioned below.

The slant of the spiral determines the relative power of Automatic Screw-Drivers. The less the slant-angle, the greater the power. The No. 1 spiral slants 40°; the No. 2 spiral slants 30°; the No. 3 spiral slants 20°. The No. 3 is recommended for heavy work.

Each with three Bits

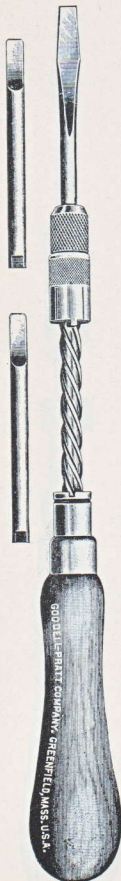
No.		Per Dozen
1.	Length, extended, 14 in... (ABROAD)	\$21.00
2.	Length, extended, 16 in.. (ABREAST)	24.00
3.	Length, extended, 18 in.... (AGATE)	27.00
	Extra Bits .....	2.00

Each Screw-Driver is packed in a strong paper box.

Shipping weight, about 8 pounds per dozen.

For Drill Attachments fitting these Screw-Drivers, see page 99.

96





## Reversible Automatic Interchangeable Screw-Driver

No. 555

With Three Tool Steel Blades

The operating and shift mechanism of this tool is contained within the knurled ferrule nearest the handle and is regulated as follows: Turn the ferrule to the right for right-hand work, to the left for left-hand work; when in the center both operating nuts are held rigid, making a rigid Screw-Driver. It is provided with three interchangeable Blades after the manner of other Screw-Drivers manufactured by us; these Blades are of the very best tool steel, tempered in oil, and they are practically unbreakable. The springs and dogs contained in the operating mechanism are spring steel, oil tempered, and every part of the tool is so constructed as to make it not only a practical tool, but a durable one; the finish is of our usual high order; the handle is made of hard wood in a polished mahogany finish.

Length, extended,  $18\frac{1}{2}$  inches.

Price, per dozen.....(ARGOL) \$30.00

Each tool packed in a box,  $10\frac{1}{4} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches.

Weight, per dozen, 12 pounds.



## Reciprocating Automatic Screw-Driver

No. 100

This Screw-Driver is for driving screws only; its motion when in use is continuous in one direction and it cannot be reversed.

Moving the traveling handle up and down turns the spiral continually to the right. It will be found of great use where large numbers of screws have to be rapidly driven in either soft wood or soft metal.

This tool is exactly like the No. 101 shown on page 15 except in the Chuck; the construction of this part is the same as that employed upon our automatic Screw-Drivers, and is arranged to firmly hold the three Screw-Driver Blades furnished with it.

Ball-bearing Lignum-vitæ Head.

Polished Cherry Traveling Handle,  $4\frac{1}{2}$  inches long.

Steel spiral slanting  $20^{\circ}$ .

Length, 16 inches.

Price, per dozen..... (CARPEL) \$24.00

Packed one in a box.

Weight,  $1\frac{1}{4}$  pounds.

98





## Drill Attachments for Goodell-Pratt Automatic Screw-Drivers



Consisting of a Chuck and eight Drill Points, as shown in cut.

**CHUCK.**—Same as is used on Automatic Drills—Brass with nickel-plated Nut.

**SHANK.**—Steel, milled to fit the socket of an Automatic Screw-Driver.

**EQUIPMENT.**—Eight Fluted Drill Points.

We are offering this set as an attachment for the Goodell Automatic Screw-Driver to enable the operator to convert the same into an Automatic Drill, thus combining two tools in one.

It will be readily appreciated.

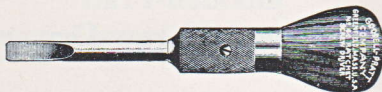
No.	Per Dozen Sets
1. Fitting No. 1 Automatic Screw-Driver . . . (HAMLET)	\$9.00
2. Fitting No. 2, 22, 111, or 555 Automatic Screw-Driver . . . . . (HALLOW)	9.00
3. Fitting No. 3 Automatic Screw-Driver . . . (HALTER)	9.00

Each set in a box,  $4\frac{1}{4} \times 1\frac{1}{4} \times 1\frac{1}{4}$  inches.

Weight, per dozen,  $2\frac{1}{4}$  pounds.

# Ratchet Screw-Drivers

No. 66



Style of 1 1/2, 2, 3 inch



Style of 4, 5, 6, 8, 10 inch

In putting on the market this line of Screw-Drivers, we are offering to the trade tools which will make a reputation for themselves, because of their strength and durability, and while we do not expect to meet the price of the cheaper lines, which have for years flooded the market, we intend to make a Screw-Driver which will stand the test of the user, and sell it at a fair price.

The Blades are made from tool steel, oil tempered, and the ratchet teeth are cut directly into the stem of the blade; the dogs and springs which go to make up the ratchet mechanism are made from tool steel, and are oil tempered; changes from right to left are made by turning the knurled ferrule, to the right for right-hand work and to the left for left-hand work. Price only will not sell these tools; quality will.

## LIST

	Per Dozen		Per Dozen
1 1/2 inches.....(ALLAY)	\$5.00	5 inches.....(ANTOR)	\$7.25
2 inches.....(ALLEY)	5.00	6 inches.....(ARMER)	8.00
3 inches.....(ALLOY)	6.00	8 inches.....(AMUR)	9.00
4 inches.....(ARDER)	6.50	10 inches.....(AMEER)	10.00

Packed one half dozen in each box.

# Goodell-Pratt Company

## Bench Automatic Screw-Driver

No. 32



This tool is designed, built, and peculiarly adapted for bench work, where large numbers of screws have to be driven into place in the assembling of small hardware or the parts of small tools or machines.

The Frame can be securely fastened to the bench, and the moving back and forth of the Traveling Handle gives a continuous rotary motion to the Screw-Driver Blade, which is firmly secured in a suitable Chuck.

It will be noted that each end is fitted with a Chuck and Blade, one for right hand and the other for left hand.

This tool is particularly recommended for driving small screws into iron, steel, brass, or porcelain, where holes have been previously tapped; the spiral slants twenty degrees, making it easy in action and powerful in effect.

Two Screw-Driver Blades from the best tool steel are furnished with each, but special blades particularly adapted for the work to be performed can be readily made, and will be found extremely desirable.

The Frame is finished in black enamel, all steel parts are polished, the Traveling Handle is of dark cherry with nickel-plated flanges.

Price, each..... (APFALL) \$3.00

Each tool packed in a box,  $18\frac{1}{4} \times 4\frac{1}{4} \times 2$  inches.

Shipping weight, 3 pounds.

101

## Gunsmiths' Screw-Driver

No. 33



Every Blade Warranted

We are offering this little Screw-Driver because our friends have made so many demands upon us for a tool of this character which they can sell at a reasonable price and still be able to guarantee its quality.

It is made in one size only, with the Blade protruding about one inch. The very best steel obtainable is used in making this Blade, which is securely fastened into a polished cherry handle.

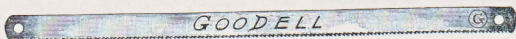
Price, per dozen..... (APPLAUD) \$3.00

Packed one half dozen in a box,  $6\frac{3}{4} \times 4\frac{1}{4} \times 1\frac{1}{2}$  inches.

Weight, per dozen,  $1\frac{1}{4}$  pounds.

## Goodell-Pratt Hack-Saw Blades

Trade Mark



102

What constitutes a good Hack-Saw Blade is a question often asked and seldom satisfactorily answered. To the sight, the various makes of this article are quite similar in appearance, but they are often found to differ vastly in cutting and wearing qualities. It is desirable that the Blade should be as thin as possible, for a thick Blade consumes time and wastes material. It is necessary that a Blade should be hard, otherwise it will not work satisfactorily upon all classes of material. They should be free and easy cutters, for the rapidity with which they perform their work demonstrates a great portion of their value.

Goodell-Pratt Hack-Saw Blades are made from the finest quality of hot-rolled sheet steel; they are sharpened and set by a peculiar process of our own, which makes them remarkably fast cutters; and they are tempered in the most approved manner. They are made with 14 teeth to the inch for general work; we also make Blades with 20 teeth to the inch for brass and the heavier grades of tubing, and in the 8-inch size only we can furnish Blades with 32 teeth to the inch, these especially adapted for thin steel bicycle tubing.

# Goodell-Pratt Hack Saws

## Price Lists



REGULAR. 14 teeth to the inch.

For Iron or Steel.

	Per Dozen	Per Gross
8 inch.....(EAGLE)	\$0.65	\$7.80
9 inch.....(EASEL)	.70	8.40
10 inch.....(ENHANCE)	.85	10.20
11 inch.....(ENHEAL)	.95	11.40
12 inch.....(EPOCH)	1.05	12.60
13 inch.....(EPSOL)	1.15	13.80
14 inch.....(EARNER)	1.25	15.00



103

FINE. 20 teeth to the inch.

For Brass or Tubing.

	Per Dozen	Per Gross
8 inch.....(ELF)	\$0.65	\$7.80
9 inch.....(ELTER)	.70	8.40
10 inch.....(ENTAIL)	.85	10.20
11 inch.....(ENSIGN)	.95	11.40
12 inch.....(ETHER)	1.05	12.60




EXTRA FINE. 32 teeth to the inch.

For thin Steel Tubing.

	Per Dozen	Per Gross
8 inch.....(ECKMUS)	\$0.65	\$7.80

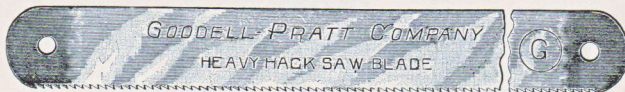
All Blades packed half gross in a box.

 Regular Blades, 14 teeth to the inch, always sent unless otherwise specified.



# Heavy Hack-Saw Blades

No. 300



These Blades are intended for heavy work or for use in power machines. They are  $\frac{3}{4}$  inch wide, No. 21 gauge, about .035 inch thick; they are made 14 teeth to the inch, have an even set, and are tempered all over.

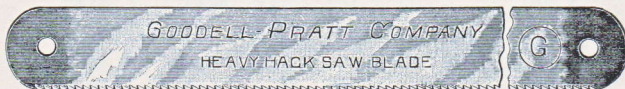
	Per. Gross
12 inch.....(GATE)	\$15.00
13 $\frac{1}{2}$ inch.....(GALD)	18.00
14 inch.....(GARD)	18.00
16 inch.....(GALLON)	24.00
16 $\frac{1}{2}$ inch.....(GAMBLE)	24.00
17 inch.....(GABLE)	26.00

Packed one half gross in a box.

Length measurements are from center to center of hole.


# Extra Heavy Hack-Saw Blades

No. 500

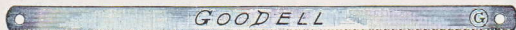


These Blades are  $\frac{3}{4}$  inch wide, No. 18 gauge, about .050 inch thick. They have 12 teeth to the inch, otherwise the Blades are identical with those shown above.

	Per Gross
12 inch.....(HUND)	\$21.00
13 $\frac{1}{2}$ inch.....(HUNTER)	24.00
14 inch.....(HIRST)	24.00
16 inch.....(HAFT)	33.00
16 $\frac{1}{2}$ inch.....(HEFT)	33.00
17 inch.....(HAIL)	36.00

 Length measurements are from center to center of hole.  
Packed one half gross in a box.

## Goodell-Pratt Special Tool Room Hack Saws



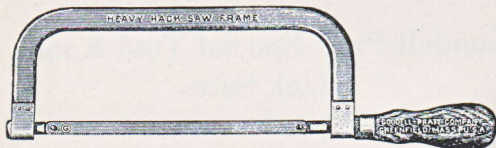
Experience has taught us that it is often a matter of great convenience, especially in tool-room work, to have Hack-Saw Blades of various thicknesses and with comparatively little set for special slotting and a variety of accurate work which otherwise could not be done with a Hack Saw. The Blades which we have listed below will be found well adapted for these uses. The teeth are cut and swaged by a special process, different from the one we use in making the ordinary set Blades. They are made in 8-inch lengths only, and can be furnished separately in any of the dimensions listed, or in sets, as desired.

105

Length		Per Dozen	Per Gross
8 inch, .016 thick.....	(FAWN)	\$0.75	\$9.00
8 inch, .020 thick.....	(FRAIL)	.75	9.00
8 inch, .028 thick.....	(FRAM)	.75	9.00
8 inch, .032 thick.....	(FANCY)	.75	9.00
8 inch, .040 thick.....	(FAINT)	.75	9.00
8 inch, .050 thick.....	(FACTOR)	.75	9.00



## Heavy Hack-Saw Frames



This very complete line of Heavy Solid Hack-Saw Frames will be found particularly desirable by mechanics who have frequent use for tools of this character. They are absolutely rigid; Blades can be faced in four different directions.

All sizes are full polished and nickel plated.

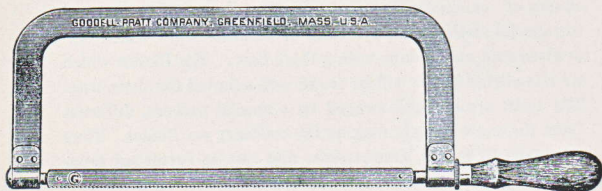
Price per Dozen

- |         |  |         |
|---------|--|---------|
| No. 64. | For 8-inch Blades only, steel Frame, $\frac{1}{2}$ by $\frac{3}{4}$ inch.  |         |
|         | 1 Blade with each Frame, $3\frac{1}{2}$ -inch throat.....(BROOD)           | \$ 9.00 |
| No. 65. | For 10-inch Blades only, steel Frame, $\frac{1}{2}$ by $\frac{7}{8}$ inch. |         |
|         | 1 Blade with each Frame, $3\frac{1}{2}$ -inch throat.....(BROTE)           | 10.00   |
| No. 66. | For 12-inch Blades only, steel Frame, $\frac{1}{2}$ by 1 inch.             |         |
|         | 1 Blade with each Frame, $3\frac{1}{2}$ -inch throat.....(BROST)           | 12.00   |

All the above packed one in a box.

106

## Heavy Hack-Saw Frames



These Frames are the same as those described above, but have greater depth of throat, as shown in cut and noted in description.

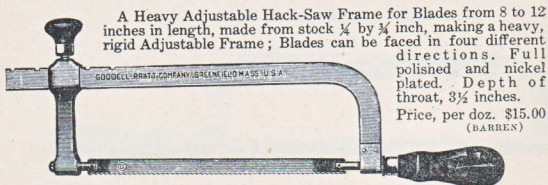
Price per Dozen

- |         |  |         |
|---------|--|---------|
| No. 14. | For 12-inch Blades only, steel Frame, $\frac{1}{2}$ by 1 inch.               |         |
|         | 1 Blade with each Frame, depth of throat, $5\frac{1}{2}$ inches.....(BRACER) | \$15.00 |
| No. 67. | For 13-inch Blades only, steel Frame, $\frac{1}{2}$ by 1 inch.               |         |
|         | 1 Blade with each Frame, depth of throat, $5\frac{1}{2}$ inches.....(BANTER) | 16.00   |
| No. 68. | For 14-inch Blades only, steel Frame, $\frac{1}{2}$ by 1 inch.               |         |
|         | 1 Blade with each Frame, depth of throat, $5\frac{1}{2}$ inches.....(BONDS)  | 18.00   |

All the above packed one in a box.

# Heavy Adjustable Hack-Saw Frame

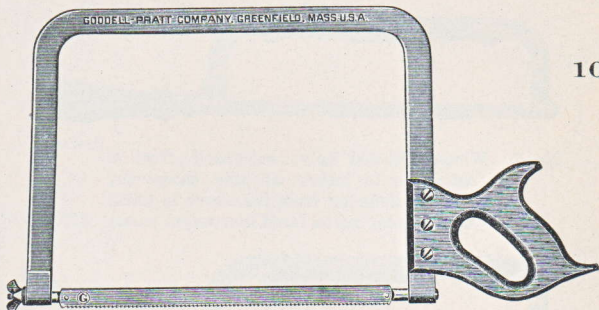
No. 69



A Heavy Adjustable Hack-Saw Frame for Blades from 8 to 12 inches in length, made from stock  $\frac{1}{4}$  by  $\frac{1}{4}$  inch, making a heavy, rigid Adjustable Frame; Blades can be faced in four different directions. Full polished and nickel plated. Depth of throat,  $3\frac{1}{2}$  inches.  
Price, per doz. \$15.00  
(BARREN)

# Heavy Hack-Saw Frame

No. 15



107

This Frame is made entirely of steel  $\frac{1}{4}$  by 1 inch, full polished and nickel plated. It is equipped with one 12-inch Hack-Saw Blade, and will take Blades of this length only. It is intended to cut rails, girders, or other large work where depth of back is an essential feature.

It is  $10\frac{1}{4}$  inches from Blade to back.

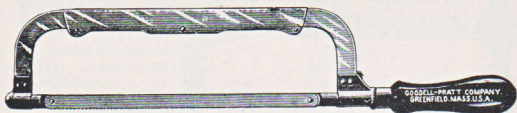
Price, per dozen..... (BEACHER) \$18.00

Packed one in a box,  $23\frac{3}{4}$ x $12$ x $1\frac{1}{4}$  inches.

Weight,  $3\frac{3}{4}$  pounds.

## Adjustable Hack-Saw Frames

One 8-inch Blade Furnished with Each Frame

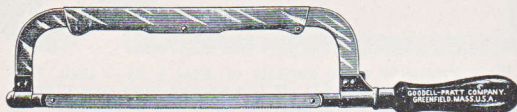


- No. 1. Full Polished and Nickel Plated; adjustable from 8 inches to 12 inches; all steel except the Handle; one of the handsomest Frames made..... (CRANE) Per Dozen  
\$12.00

108



- No. 2. White Nickered only; adjustable from 8 inches to 12 inches; all steel except the Handle, differing from the above in finish only; Blades can be faced four ways. (CAPER) Per Dozen  
\$10.00



- No. 02. Finished in Natural Steel, not polished or nickered; adjustable from 8 inches to 12 inches; constructed in a thoroughly first-class manner; a very serviceable Frame at a moderate price..... (CAPON) Per Dozen  
\$8.50

## Solid Hack-Saw Frames



- No. 3. Full Polished and Nickel Plated; solid steel;  
for 8-inch Blades only; one of the hand-  
somest solid Frames ever shown; Blades  
can be faced four ways.....(CARSEL) Per Dozen  
\$8.50

One 8-inch Blade furnished with this Frame.

109

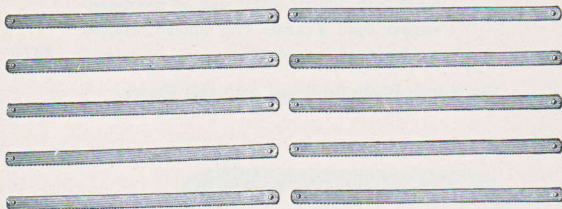
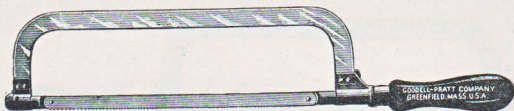


Solid Steel Frames, Natural Finish, Enameled Handle;  
Blade can be faced four ways. Furnished in sizes as listed  
below.

		Per Dozen
No. 8.	8-inch.....(CASTE)	\$5.00
No. 9.	9-inch.....(CANCER)	5.50
No. 10.	10-inch.....(CANDOR)	6.00
No. 11.	11-inch.....(CRADLE)	6.50
No. 12.	12-inch.....(CANDLE)	7.00

Packed one in a box.

## Hack-Saw Sets



110

It being often a matter of convenience for the trade to have in stock Hack-Saw Frames, and Blades in sets of one Frame and one dozen Blades, we offer these, confident that they will prove popular because of their serviceable quality and moderate price.

**FRAMES.**—The Frames are Solid Steel, Natural Finish; Blades can be faced four ways.

**BLADES.**—Twelve regular-teeth Blades, corresponding in length to the size of the Frame, put up with each set.

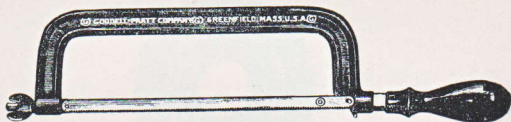
		Per Set
No. 812.	8-inch Frame and 12 Blades.....(BARGE)	\$1.05
No. 912.	9-inch Frame and 12 Blades.....(BEACH)	1.15
No. 1012.	10-inch Frame and 12 Blades.....(BIRCH)	1.35
No. 1112.	11-inch Frame and 12 Blades.....(BRAMBLE)	1.50
No. 1212.	12-inch Frame and 12 Blades.....(BRIER)	1.65

Packed one set in a box.



## Solid Hack-Saw Frames

Each Frame Furnished with Blade



In offering these cast-iron Hack-Saw Frames we must confess that we have always felt averse to Frames of this nature, believing that the liability to breakage was entirely too great. We have been unable to withstand the continued requests of our many customers that we supply them with such an article, and after considerable experimenting we are able to offer one from a design which we believe has no little merit, and which equalizes the strain to such a degree that the chance of breakage is reduced to a minimum.

111

The Blade can be faced four ways; the Frames are nicely finished in japan; Handles are of polished Hard Wood, fitted with nickel-plated ferrules.

	Per Dozen
No. 4. 8-inch.....	(CALDEN) \$3.50
No. 5. 9-inch.....	(CENDAL) 3.50
No. 6. 10-inch.....	(CONDAL) 4.00

Packed one in a box.

## Circular Saws

No. 70

For Metal, Bone or Ivory



112

These Circular Saws, while very moderate in price, will be found to possess exceptional quality; they are made in a variety of sizes, which you will find noted below. The teeth are carefully cut, and they are tempered in oil; the steel used is the very finest quality of hot-rolled sheets. They are not ground after being hardened, this operation entailing an unnecessary expense.

These Saws will be found very desirable for cutting copper, brass, German silver, ivory, bone or like materials; they are well adapted for screw slotting or for cutting shallow slots in iron or steel.

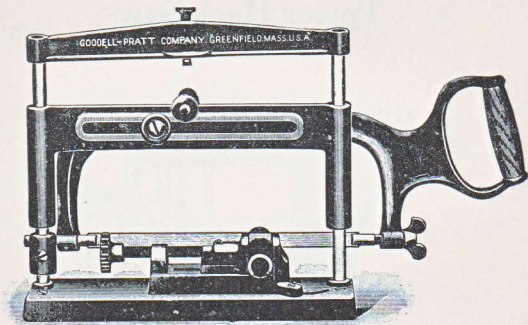
Thickness	1 inch	1¼ inch	1½ inch	2 inch	2½ inch	3 inch	Diameter
	¾ inch	¾ inch	¾ inch	¾ inch	¾ inch	¾ inch	Hole
.016 inch	\$1.50	\$1.75	\$2.00	\$2.75	\$3.50	\$5.00	per Doz.
.021 inch	1.50	1.75	2.00	2.75	3.50	5.00	per Doz.
.028 inch	1.50	1.75	2.00	2.75	3.50	5.00	per Doz.
.032 inch	1.50	1.75	2.00	2.75	3.50	5.00	per Doz.
.040 inch	1.50	1.75	2.00	2.75	3.50	5.00	per Doz.
.050 inch	1.50	1.75	2.00	2.75	3.50	5.00	per Doz.

Packed one dozen in a box.



## Bench Hack Saw

No. 1



A Bench Hack Saw is a device for which there has long been a place in repair shops, stores, and small factories. It can be readily fastened to any bench, and will pay for itself in a week's time where iron, steel, or brass rod or tubing have to be cut off.

It is fitted with a swivel vise, which can be set to saw at an angle. This point alone is a valuable addition to the usefulness of the machine, as the ability to saw on a mitre will often save the operator much time which would otherwise be spent in filing. The machine is made entirely of iron and steel, is carefully constructed, and thoroughly practical in its working. The cut cannot fail to convey an excellent idea of its general features.

One Goodell-Pratt 9-inch Blade is furnished with each machine, which should be strained well in the frame when in use. It is so constructed that 8-inch Blades can be used when desired.

Vise opens 2 inches.

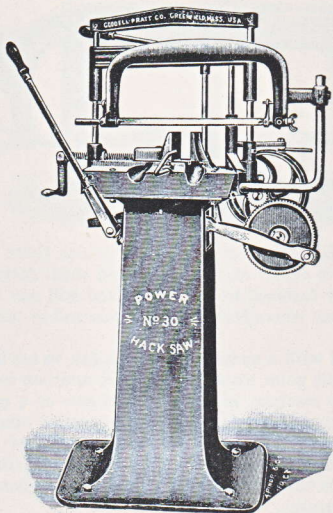
Price, each.....(RAMPART) \$3.50

Shipping weight, each, 15 pounds.

Measurements, 18½x11¼x5 inches.

## Power Hack Saw

No. 30



114

Tight and Loose Pulley, 6 inches in diameter. Geared 3 to 1. Machine should run 45 to 50 strokes per minute to get best results.

Pulley should run 150 revolutions per minute.

## Power Hack Saw

No. 30

Power Hack Saws have become so well known to all classes of metal workers that we do not feel called upon to make allusion to their general usefulness. No up-to-date shop can afford to be without one; often where one is in use, two would be found equally profitable.

The illustration upon the opposite page conveys a good idea of the general characteristics of the machine. We have quite recently improved it by reducing the size of the pulley and gearing the machine down to the proper speed; by using cut gears all noise is done away with, there is no danger of slipping, and a much larger pulley can be used upon the main shaft.

The Raising and Stop Levers are both convenient to the hand of the operator when he stands in front of the machine. The machine is also provided with an Adjustable Automatic Stop, which can be set to stop the Saw at any desired depth, or after the work has been cut completely off, and is instantaneous in its action, being connected with a clutch upon the main driving pulley which locks or disengages it with the crank shaft of the machine.

The Saw Frame runs in a guide at its back, which, in turn, slides up and down upon two perpendicular guide rods, and the traveling motion is conveyed to it by a horizontal guide which runs parallel to the blade of the Saw. Particular attention is called to the fact that the saw blade always runs parallel to the bottom of the Vise. This feature will prove very valuable when the operator desires to saw a slot of any desired depth.

The Vise will take in work  $4\frac{1}{2} \times 4\frac{1}{2}$  inches, and is operated by a handled screw, as shown in the cut. The bed of the Vise extends beyond the jaws, another feature which will at once commend itself.

The machine is thoroughly well made and practical in all its workings.

Price, each.....(ALPHA) \$30.00

Net weight, 150 pounds. Weight, boxed for export, 210 pounds.

Measurements, 45x25x19 inches.

## Butchers' 50-Foot Saw Coils



116

The manner in which these Blades are put up, as shown in the illustration above, cannot fail to commend itself to every dealer in these tools. Instead of being obliged to carry a dozen different lengths in stock, he can carry these coils, and cut off any length desired, always sure of being able to furnish just the right length.

While experience from actual use will better demonstrate their working value, we wish to have it distinctly understood that they are warranted to give satisfaction. They are made from the finest quality of spring steel, tempered, ground, and polished. They are filed, set, and re-filed after setting, and consequently ready for immediate use.

They are made with teeth as specified below, correctly shaped to insure their free cutting. They can be re-filed, but it is hardly profitable, considering the first cost.

No. 310.	.....	50 feet, $\frac{1}{2}$ inch wide, 14 teeth.....	(VENOM)	\$4.50
No. 311.	(old No. A )	50 feet, $\frac{3}{8}$ inch wide, 11 teeth.....	(VERGIS)	4.50
No. 312.	(old No. A1)	50 feet, $\frac{3}{4}$ inch wide, 11 teeth.....	(VENNER)	5.00
No. 313.	(old No. A2)	50 feet, 1 inch wide, 11 teeth.....	(VELLER)	6.50
No. 314.	(old No. B )	50 feet, $1\frac{1}{4}$ inch wide, 11 teeth.....	(VELLUM)	7.50

Note.—For a Saw Punch suitable to punch these or any other similar Saw Blades, see page 166.

## Butchers' 25-Foot Saw Coils



117

The increasing popularity of having butchers' saws put up in coils has extended to the user, and butchers are now ordering them in this way. This necessitates the furnishing of shorter lengths, as 50 feet is more than some users wish to purchase; we are therefore offering at this time a complete line of 25-foot coils, as listed below.

These coils are of the same high quality as those shown and described on the preceding page, differing in length only.

They are made from the very finest quality of spring steel, tempered, ground, and polished. They are filed, set, and re-filed after setting, leaving them sharp and ready for use.

No. 250.	25 feet, $\frac{1}{2}$ inch wide, 14 teeth to the inch.....	(VALID)	\$2.25
No. 251.	25 feet, $\frac{3}{8}$ inch wide, 11 teeth to the inch.....	(VALENCE)	2.25
No. 252.	25 feet, $\frac{3}{4}$ inch wide, 11 teeth to the inch.....	(VALIANT)	2.50
No. 253.	25 feet, 1 inch wide, 11 teeth to the inch.....	(VALISE)	3.25
No. 254.	25 feet, $1\frac{1}{4}$ inch wide, 11 teeth to the inch.....	(VALET)	3.75



## Butchers' Saw Blades



GOODSELL  
BUTCHER'S SAWS

These Blades are of the same character and quality as those furnished in coils and described on the preceding page. They are made in four widths,  $\frac{5}{8}$  inch,  $\frac{3}{4}$  inch, 1 inch, and  $1\frac{1}{4}$  inches, as listed below. They are made from the finest quality of spring steel, tempered and ground. The teeth are filed, set, and re-filed after setting. They are made with 11 teeth to the inch, correctly shaped to insure their good working. They can be re-filed, but, considering the price at which we sell a new one, it will hardly be profitable.

118

Length	Per Dozen $\frac{5}{8}$ inch wide	Per Dozen $\frac{3}{4}$ inch wide	Per Dozen 1 inch wide	Per Dozen $1\frac{1}{4}$ inches wide
12 inches	(DUCK) \$1.25	(DIRI) \$1.40	(IRICK) \$1.65	(IRIS) \$1.85
14 inches	(DRAKE) 1.45	(DRIBE) 1.60	(IBAK) 1.90	(IBEX) 2.15
16 inches	(DOE) 1.65	(DONG) 1.80	(INGO) 2.20	(INGLE) 2.45
18 inches	(DOCKET) 1.85	(DOKIN) 2.05	(INKET) 2.45	(INDIAN) 2.75
20 inches	(DRAIN) 2.00	(DRYCE) 2.20	(ICYIN) 2.75	(ICYCLE) 3.00
22 inches	(DAMPER) 2.20	(DAMUN) 2.45	(IMMER) 3.00	(IMMUNE) 3.30
24 inches	(DAGGER) 2.40	(DAGIN) 2.65	(INTGE) 3.30	(INTACT) 3.60
26 inches	(DEAT) 2.60	(DEVEN) 2.90	(INVAT) 3.60	(INVENT) 3.90
28 inches	(DRUM) 2.80	(DRIMO) 3.10	(IMPUM) 3.80	(IMPOSE) 4.20

Packed six dozen in a box.

NOTE.—These Blades are polished, but not punched. For a Saw Punch to punch these or any other similar Saw Blades, see page 166.



## Butchers' Saw Blades

No. 71

Black Finish



These Butchers' Saws are made from a good quality of steel, the teeth are filed, set, and re-filed after setting, the Blades are tempered, but *not* polished, the holes are punched, and we are offering them to meet the demands which have been made upon us for a Blade of this character. These Blades will neither buckle nor break, and they can be re-filed if the user desires to do it; however, at the price charged for a new Blade, it is cheaper to throw it away when it is worn out.

119

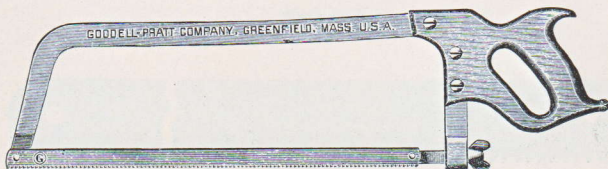
### LIST

	Per Dozen
14 inch..... (HARD)	\$1.40
16 inch..... (HERD)	1.40
18 inch..... (HIRD)	1.50
20 inch..... (HORD)	1.50
22 inch..... (HURD)	1.70
24 inch..... (HASTE)	1.70
26 inch..... (HELMET)	1.80

Packed six dozen in a box.

## Butchers' Saw Frames

No. 75



120 These Frames are exceptionally well made and nicely finished. Not only are they attractive in appearance, but they will be popular with the user because of their balance; to use a common expression, they hang well. The main part of the Frame is made of polished steel, the handle is well shaped and well finished.

Each Frame is equipped with one of our very best polished and tempered Butchers' Saw Blades.

### LIST

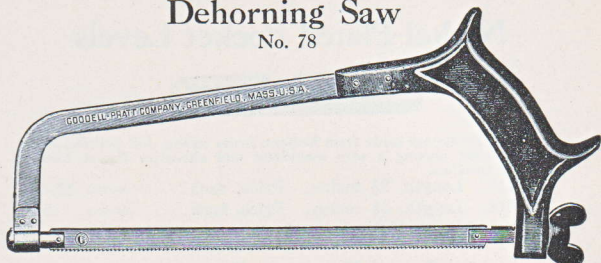
	Per Dozen
14 inch.....(JAMB)	\$11.00
16 inch.....(JAME)	12.00
18 inch.....(JARL)	13.00
20 inch.....(JARD)	14.00
22 inch.....(JASTE)	15.00
24 inch.....(JAMS)	16.00
26 inch.....(JONT)	17.00

Packed one third dozen in a box.

# Goodell-Pratt Company

## Dehorning Saw

No. 78



This Saw has a steel frame, white-nickel finish, a malleable iron handle, japanned, and is furnished complete with a 10-inch Blade.

Price, per dozen.....(PACER) \$5.00

Packed one in a box,  $14\frac{3}{4} \times 6\frac{1}{2} \times 1\frac{1}{4}$  inches.

Weight,  $1\frac{7}{8}$  pounds.

## Dehorning Saw Blades

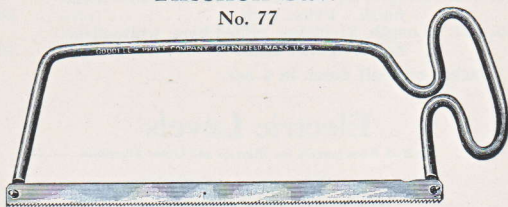
Special 10-inch Blades, suitable for above frames,  
per dozen.....(PACER)

\$0.85

121

## Kitchen Saw

No. 77



The Frame of this Saw is made of  $\frac{5}{16}$ -inch steel wire, nickel plated; the Blade is 12 inches long by  $\frac{5}{8}$  inch wide, and is made from the finest saw steel obtainable; it is tempered, ground, and polished; the teeth are cut, filed, set, and re-filed after setting.

Price, per dozen.....(ULSTER) \$3.00

Packed one dozen in a box,  $15\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{2}$  inches.

Weight,  $8\frac{1}{2}$  pounds.

## Nickel-Plated Pocket Levels



These Levels are made from hexagon brass tubing, full polished and nickel plated, making a very convenient and attractive Pocket Level. Sizes as specified.

No. 611. Length,  $2\frac{1}{2}$  inches. Price, each..... (NORTH) \$0.40

No. 612. Length,  $3\frac{1}{2}$  inches. Price, each..... (NATE) .50

Packed one half dozen in a box.

## Iron Pocket Levels



122 No. 501. Length,  $2\frac{1}{2}$  inches, milled base, japan finish. Price, each..... (NOBLE) \$0.25

No. 502. Length,  $3\frac{1}{2}$  inches, milled base, japan finish. Price, each..... (NOTER) .35

No. 601. Length,  $2\frac{1}{2}$  inches, milled base, white-nickel finish. Price, each..... (NEEN) .30

No. 602. Length,  $3\frac{1}{2}$  inches, milled base, white-nickel finish. Price, each..... (NURSE) .40

Packed one half dozen in a box.

## Electric Levels

Used as Attachments for Electric and Other Machines



These Levels are made of brass tubing, ground flat on the base, and can be attached to various kinds of large and small machinery. They are nickel plated and polished, and furnished in two lengths, as noted below.

No. 624. Length, 2 inches. Price, each..... (NIMBLE) \$0.25

No. 625. Length, 3 inches. Price, each..... (NUMBER) .30

Packed one half dozen in a box.

## Iron Bench Levels



No. 503. Length, 4 inches, milled faces and ends, japanned body. Price, each.....(NAIL) \$0.65

No. 603. Length, 4 inches, milled faces and ends, white-nickel finish. Price, each...(NOSE) .75



No. 504. Length, 6 inches, milled faces and ends, japanned body. Price, each.....(NOBBY) .75

No. 604. Length, 6 inches, milled faces and ends, white-nickel finish. Price, each...(NEAR) .90

## Iron Bench Levels

With Double Plumb

123



No. 513. Length, 6 inches, milled faces, japanned body, double plumb. Price, each. (NIPPER) \$1.25

No. 613. Length, 6 inches, milled faces, japanned body, nickel-plated edges, double plumb. Price, each.....(NOZZLE) 1.50



No. 505. Length, 6 inches, milled faces and ends, japanned body, double plumb. Price each (NESTER) 1.50

No. 605. Length, 6 inches, milled faces and ends, japanned body, nickel-plated edges. Price, each .....(NEITHER) 1.75

All the above packed one in a box.



# Iron Levels

With Double Plumb



- No. 506. Length, 9 inches, milled face and ends, japanned body, double plumb. Price, each.....(NITRE) \$1.65
- No. 606. Length, 9 inches, milled face and ends, japanned body, nickel-plated edges, double plumb.
- Price, each.....(NIGHT) 1.90



- 124 No. 507. Length, 12 inches, ground face and ends, japanned body, double plumb. Price, each.....(NURDE) 1.75
- No. 607. Length, 12 inches, ground face and ends, japanned body, nickel-plated edges, double plumb.
- Price, each.....(NADE) 2.00



- No. 509. Length, 18 inches, ground face and ends, japanned body, double plumb. Price, each.....(NEED) 2.00
- No. 609. Length, 18 inches, ground faces and ends, japanned body, nickel-plated edges, double plumb.
- Price, each.....(NEST) 2.25
- No. 510. Length, 24 inches, ground faces and ends, japanned body, double plumb. Price, each.....(NATAL) 2.25
- No. 610. Length, 24 inches, ground faces and ends, japanned body, nickel-plated edges, double plumb.
- Price, each.....(NARTO) 2.50

All the above packed one in a box.



## Iron Levels

With Grooved Base and Double Plumb



These Levels will be found very convenient for lining shafting or other similar work. We are offering them in such sizes as are most used. We do not recommend a Level with a grooved base, except for use on shafting or other similar work.

No. 505V.	Length, 6 inches, milled faces and ends, grooved base, double plumb, japanned body.	Price, each .....	(NOVE)	\$1.50
No. 605V.	Length, 6 inches, milled faces and ends, grooved base, double plumb, japanned body, nickeled edges.	Price, each .....	(NOVICE)	1.75
No. 506V.	Length, 9 inches, ground faces and ends, grooved base, double plumb, japanned body.	Price, each .....	(NICE)	1.65
No. 606V.	Length, 9 inches, ground faces and ends, grooved base, double plumb, japanned body, nickeled edges.	Price, each .....	(NICER)	1.90
No. 507V.	Length, 12 inches, ground faces and ends, grooved base, double plumb, japanned body.	Price, each .....	(NICEST)	1.75
No. 607V.	Length, 12 inches, ground faces and ends, grooved base, double plumb, japanned body, nickeled edges.	Price, each .....	(NALT)	2.00
No. 509V.	Length, 18 inches, ground faces and ends, grooved base, double plumb, japanned body.	Price, each .....	(NEGUS)	2.00
No. 609V.	Length, 18 inches, ground faces and ends, grooved base, double plumb, japanned body, nickeled edges.	Price, each .....	(NETHER)	2.25
No. 510V.	Length, 24 inches, ground faces and ends, grooved base, double plumb, japanned body.	Price, each .....	(NECTAR)	2.25
No. 610V.	Length, 24 inches, ground faces and ends, grooved base, double plumb, japanned body, nickeled edges.	Price, each .....	(NASAL)	2.50

125

Packed one in a box.

# Engineers' Iron Level

Patented October 27, 1896

With Double Plumb



The device shown in the cut will give accurately the rise and fall of piping or shafting of any description. It is fitted with a double plumb, and the slant of uprights can also be taken. It is graduated by sixteenths up to  $\frac{1}{4}$  inch, giving all the variation usually required on work of this character.

The faces and sides of the Level are accurately ground, and the device for measuring the slant can be placed in such a position that the working of the Level for ordinary purposes is in no way interfered with.

No. 526.	Length, 12 inches, japan finish.		
	Price, each .....	(NOOSE)	\$2.25
No. 626.	Length, 12 inches, japan body, nickel-plated face and edges.		
	Price, each .....	(NADLE)	2.50
No. 528.	Length, 24 inches, japan finish.		
	Price, each .....	(NUDER)	3.00
No. 628.	Length, 24 inches, japan finish, nickel-plated face and edges.		
	Price, each .....	(NUCKLE)	3.50

Packed one in a box.

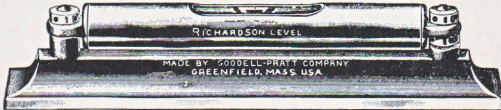
## Adjustable Bench Levels

With Plain Vials

All the Levels shown on this page are so constructed that they admit of close and accurate adjustment, and, when so adjusted, are not liable to get out of true, as the vials are set in tubes having solid ends which are firmly clamped to base. The tubes are nickel plated, the bases are finished as noted below.



		Price, Each
No. 514.	Length, 4 inches, ground base, japanned..... (NAPTHA)	\$1.00
No. 614.	Length, 4 inches, ground base, nickeled..... (NAPKIN)	1.25



		Price, Each
No. 515.	Length, 6 inches, ground base, japanned..... (NATION)	\$1.25
No. 615.	Length, 6 inches, ground base, nickeled..... (NATIVE)	1.50
No. 516.	Length, 8 inches, ground base, japanned..... (NATTY)	1.50
No. 616.	Length, 8 inches, ground base, nickeled..... (NAVAL)	1.75

127

## Adjustable Bench Levels

With Plain Vials and Handles



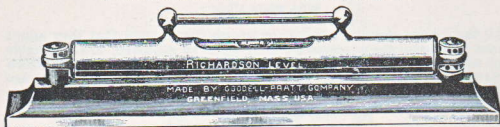
The Handles upon these Levels will be found better and more convenient protectors than the slide covers sometimes used.

		Price, Each
No. 715.	Length, 6 inches, ground base, japanned..... (NEAT)	\$1.75
No. 815.	Length, 6 inches, ground base, nickeled..... (NECK)	2.00
No. 716.	Length, 8 inches, ground base, japanned..... (NEEDLE)	2.00
No. 816.	Length, 8 inches, ground base, nickeled..... (NEXT)	2.25
No. 717.	Length, 12 inches, ground base, japanned..... (NEUTER)	2.50
No. 817.	Length, 12 inches, ground base, nickeled..... (NICKLE)	2.75
No. 718.	Length, 18 inches, ground base, japanned..... (NOBLY)	3.00
No. 818.	Length, 18 inches, ground base, nickeled..... (NOISE)	3.25

All the above packed one in a box.

# Adjustable Bench Levels

With Ground and Graduated Vials and Handles



The Line of Levels shown and described on this page will meet the requirements of the most particular trade. The glasses used in them are carefully ground and accurately graduated; they can be adjusted when necessary. The handle not only adds to the attractiveness of the tool, but acts as a protector as well; on all the larger sizes the supports for the handle are fastened directly to the base, so that the tube containing the vial is not disturbed in handling; where accurate work is desired, this feature is particularly valuable, as it enables the operator to handle the Level without the danger of affecting its accuracy by the heat of his hand.

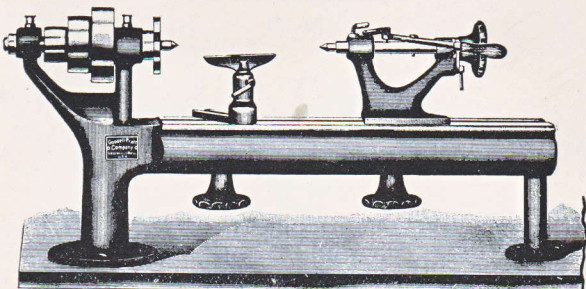
No. 719.	Length, 4 inches, ground base, ground and graduated vial, handle and tube nickeled, base japanned.	
	Price, each.....	(NOON) \$2.50
No. 819.	Length, 4 inches, ground base, ground and graduated vial, handle, tube, and base nickel plated.	
	Price, each.....	(NOOK) 2.75
No. 720.	Length, 6 inches, ground base, ground and graduated vial, handle and tube nickeled, base japanned.	
	Price, each.....	(NORSE) 3.50
No. 820.	Length, 6 inches, ground base, ground and graduated vial, handle, tube, and base nickel plated.	
	Price, each.....	(NOTARY) 3.75
No. 721.	Length, 8 inches, ground base, ground and graduated vial, handle and tube nickeled, base japanned.	
	Price, each.....	(NOTCH) 4.00
No. 821.	Length, 8 inches, ground base, ground and graduated vial, handle, tube, and base nickel plated.	
	Price, each.....	(NUMB) 4.25
No. 722.	Length, 12 inches, ground base, ground and graduated vial, handle and tube nickeled, base japanned.	
	Price, each.....	(NOTICE) 5.00
No. 822.	Length, 12 inches, ground base, ground and graduated vial, handle, tube, and base nickel plated.	
	Price, each.....	(NUDGE) 5.25
No. 723.	Length, 18 inches, ground base, ground and graduated vial, handle and tube nickeled, base japanned.	
	Price, each.....	(NOVEL) 7.50
No. 823.	Length, 18 inches, ground base, ground and graduated vial, handle, tube, and base nickel plated.	
	Price, each.....	(NOUN) 7.75

All above packed one in a box.

Goodell-Pratt Company

## Amateur Bench Lathe

No. 125



This 24-inch Bench Lathe, with a 7-inch swing and 12 inches between centers, will be welcomed by a host of our customers who have insisted on ordering such a machine from us years before we had any idea of making one. The cut cannot fail to convey an excellent idea of its general characteristics. It is an Amateur Bench Lathe, and while all its construction and fitting is done with great care and reasonable accuracy, we do not pretend that it is possible to make a precision tool for the price at which we propose to sell this one. But we do know that there are innumerable uses for just such a machine as we are bringing out.

129

It has a milled bed, hollow spindle, with  $\frac{3}{8}$ -inch hole, and is provided with a No. 1 Morse Taper; it has both screw and lever feed in tail stock, and is furnished with the following equipment:

- 1 Three-Jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch.
- 1 Slotted Face Plate.
- 1 Saw Arbor.

It is well finished with machine enamel, all steel parts polished bright. Dimensions as follows:

- Total Length, 25 inches.
- Distance between Centers, 12 inches.
- Swing, 7 inches.
- Diameter of Pulley Steps,  $1\frac{1}{2}$ ,  $2\frac{1}{2}$ ,  $3\frac{1}{2}$  inches.
- Hole in Spindle,  $\frac{3}{8}$  inch.

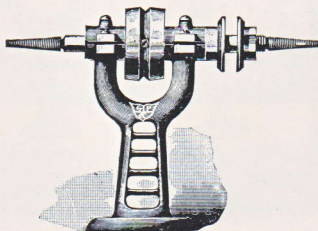
No Countershaft furnished with this machine.

Price, each.....(PADDLE) \$20.00  
Gross weight, 50 pounds.      Net weight, 32 pounds.



## Polishing Head

No. 21



130

In the construction of this little machine, as in those of similar style described on the following pages, it has been our endeavor to carry out as far as possible the ideas of various users of this class of tools, and the machines have been constructed with the view of being sold at a moderate price, and at the same time embodying good value.

No. 21, shown above, has a Solid Iron Frame 6 inches in height; Steel Spindle  $\frac{3}{8}$  inch in diameter and 8 inches long. The Boxes are adjustable; Screws and Caps are of brass, and it is finished in japan. The Taper Screws on each end are carefully threaded. The distance between the flanges admits of placing therein a wheel  $\frac{3}{4}$  inch in thickness. The pulley is grooved for a  $\frac{1}{4}$ -inch round belt, and is  $1\frac{7}{8}$  inches in diameter,  $\frac{3}{4}$ -inch face.

Price, each.....(MARSH) \$1.50

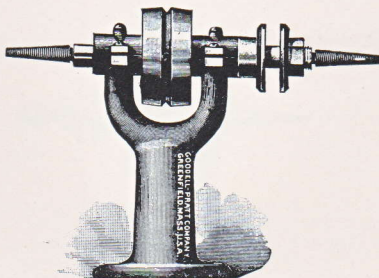
Weight, 3 pounds.

Each packed in a box,  $9\frac{1}{2} \times 7\frac{1}{4} \times 3$  inches.



## Polishing Head

No. 22



131

This Polishing Head, while constructed similar to the one shown on the preceding page, is more solid, consequently heavier, and will undoubtedly give better satisfaction for continued use.

It is slightly more than 6 inches in height, and is fitted with a  $\frac{1}{2}$ -inch Spindle, 10 inches in length. The Boxes are adjustable; Screws and Caps are of brass. The distance between the flanges admits of taking in a wheel  $\frac{7}{8}$  inch thick. The Taper Threads upon each end are carefully cut. The diameter of the Pulley is  $2\frac{1}{4}$  inches,  $\frac{7}{8}$ -inch face, and it is grooved to take a  $\frac{1}{4}$ -inch round belt.

This will be found to be a very solid and substantial little Polishing Head. We recommend it for general use.

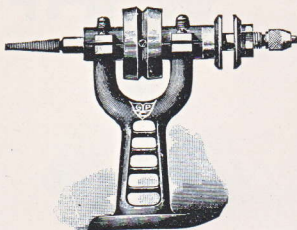
Price, each..... (MARL) \$2.50

Weight,  $4\frac{3}{4}$  pounds.

Each packed in a box,  $12 \times 7\frac{3}{4} \times 3\frac{3}{4}$  inches.

## Polishing Head

No. 23



132

This Polishing Head will be found to be identical with the No. 21, shown and described on page 130, except that this one is fitted with a Three-Jawed Chuck, capacity 0 to  $\frac{5}{8}\frac{1}{2}$  inch. This desirable feature will commend itself to all users of these tools, as their ability to do drilling adds materially to their usefulness.

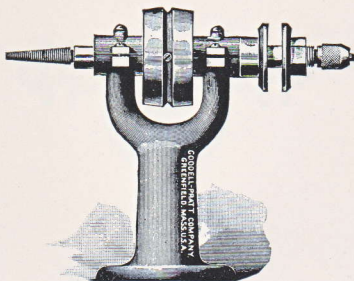
Price, each..... (MURL) \$2.50

Weight, 3 pounds.

Each packed in a box,  $9\frac{1}{2}\times 7\frac{1}{4}\times 3$  inches.

## Polishing Head

No. 24



133

This Polishing Head is identical with the No. 22, shown and described on page 131, except that it is fitted with a Three-Jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch. This desirable feature will commend itself to all users of these tools, as their ability to do drilling adds materially to their usefulness. This Chuck, holding up to  $\frac{1}{4}$  inch, will at once be appreciated.

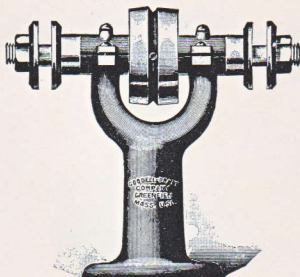
Price, each..... (MOLE) \$4.00

Weight,  $4\frac{3}{4}$  pounds.

Each packed in a box,  $12 \times 7\frac{3}{4} \times 3\frac{3}{4}$  inches.

## Grinding Head

No. 25



This Grinding Head is quite similar to the Polishing Heads described on the preceding pages; it has two sets of flanges for wheels, however, and the Taper Threaded Spindle is omitted.

The machine is a little more than 6 inches in height, and has a  $\frac{1}{2}$ -inch Spindle; will take wheels  $\frac{7}{8}$  inch thick. \* Boxes are adjustable, Screws and Caps are of brass; the Pulley is grooved for a  $\frac{1}{4}$ -inch round belt; flat belt  $\frac{7}{8}$  inch wide can be used, however, if desired.

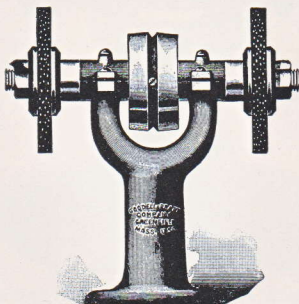
Price, each..... (MUDER) \$3.50

Each machine packed in a box,  $8\frac{1}{2} \times 7\frac{1}{2} \times 3\frac{3}{4}$  inches.

Weight,  $4\frac{3}{4}$  pounds.

## Grinding Head

No. 25½



135

This machine is in every way identical with the No. 25, shown and described on the preceding page, with the exception that it has two solid Emery Wheels, 4 inches in diameter,  $\frac{1}{2}$ -inch face, furnished with it; these wheels are of different grades, and are suitable for general work, such as would naturally come within the scope of a small Bench Grinder of this character.

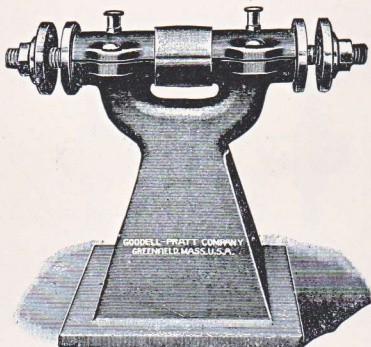
Price, each.....(MULCER) \$5.00

Each packed in a box,  $8\frac{1}{2} \times 7\frac{1}{2} \times 3\frac{3}{4}$  inches.

Weight, complete, 6 pounds.

## Grinding Head

No. 26



136

This machine is somewhat heavier than any of the preceding styles; a good idea of its general outline is conveyed by the cut. It is 7 inches high, and is equipped with a Spindle 9 inches long; the diameter of the Spindle in the bearing is  $\frac{3}{4}$  inch, between flanges where wheel runs,  $\frac{1}{2}$  inch; it will take wheels  $\frac{3}{4}$  of an inch thick and 8 inches in diameter. We would, however, recommend wheels 6 inches by  $\frac{1}{2}$  inch for use in connection with it. It is equipped with patent Oil Cups, the nuts are finished and case hardened, and the whole machine is in every way thoroughly practical for use up to its capacity. We desire to call particular attention to the shape of the base, which insures great rigidity. Width of pulley, 1 inch.

Price, each.....(MOOSE) \$6.00

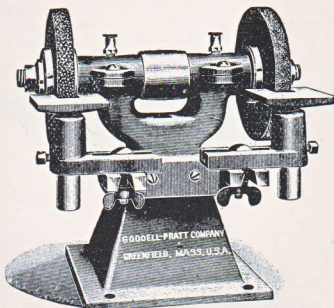
Each machine packed in a box,  $12\frac{3}{4} \times 9 \times 7\frac{1}{2}$  inches.

Weight, 13 pounds.



## Grinding Head

No. 26  $\frac{1}{2}$



137

No Emery Wheels Furnished with this Machine

This machine is in every way identical with the No. 26, shown and described on page 136, except that it is supplied with the additional equipment of adjustable and detachable work-rests, as shown in the cut. To show the exact position of these very plainly, we have shown the machine as it would appear with wheels in place, but we desire to call particular attention to the fact that the list price, as noted, does not include Emery Wheels.

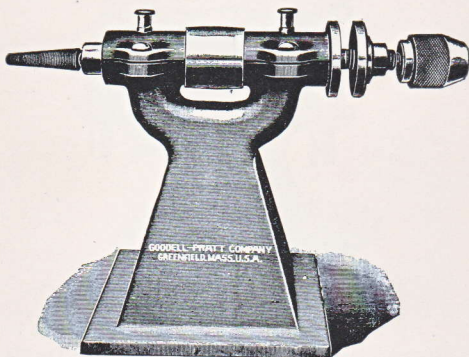
Price, each..... (MOUSE) \$8.00

Each machine packed in a box,  $12\frac{3}{4} \times 9 \times 7\frac{1}{4}$  inches.

Weight, 15 pounds.

## Polishing Head

No. 27



138

This machine is of the same general construction as the No. 26, shown and described on page 136; as shown in the cut, however, it is equipped with a regular Polishing Head Spindle, having a Taper Thread on one end and flanges on the other, in addition to which it has a Three-Jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch.

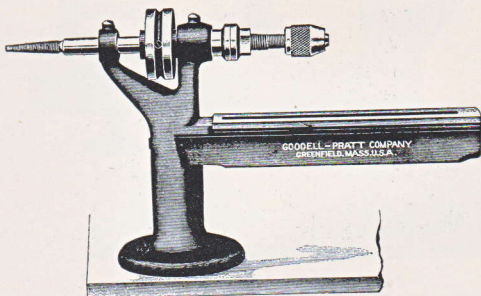
Price, each.....(MANGER) \$8.00

Packed one in a box,  $12\frac{3}{4} \times 9 \times 7\frac{1}{4}$  inches.

Weight, 13 pounds.

## Polishing Head

No. 28



139

This style of base will at once be appreciated, as it enables the operator to greatly increase the usefulness of his machine by adjusting any jigs or attachments he may desire for doing his own particular class of work.

This machine is fitted with a  $\frac{1}{2}$ -inch Spindle, and will take a wheel  $\frac{7}{8}$  inch by 4 inches. The Pulley is  $2\frac{1}{4}$  inches; Chuck, Three-Jawed, capacity 0 to  $\frac{1}{4}$  inch; base is japanned.

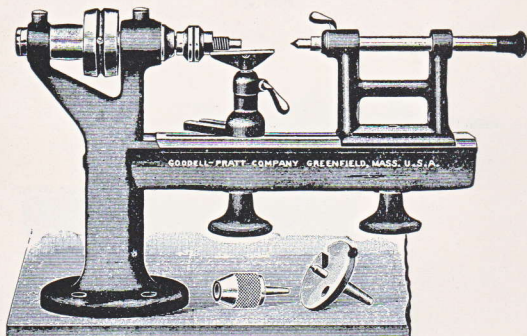
Price, each . . . . . (MANSE) \$4.50

Packed one in a box, 13x8x4 $\frac{1}{4}$  inches.

Weight, 8 $\frac{1}{2}$  pounds.

## Polishing Lathe

No. 29



140

This Polishing Lathe, complete with Tail Stock, Tee Rest, Face Plate, Saw Arbor, and Three-Jawed Chuck, capacity 0 to  $\frac{5}{8}$  inch, admits of a large variety of polishing, grinding, and other kindred operations not possible upon the ordinary styles of plain Polishing Heads. The cut cannot fail to convey a good idea of its general characteristics; it is furnished complete with the attachments, as shown, the bed is milled, the spindle is hollow, and it will be found a very useful little machine in many places. The bed is 12 inches long, and it swings 5 inches on centers. Width of both pulley steps,  $\frac{3}{4}$  inch, largest step grooved for round belt.

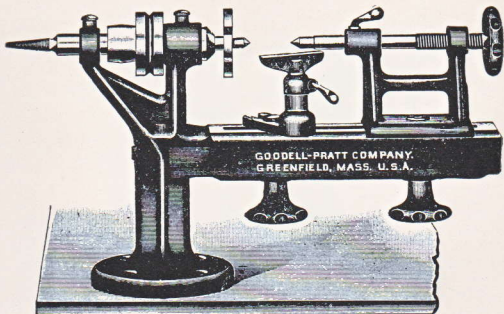
Price, each.....(POLATH) \$7.50

Packed one in a box,  $14\frac{1}{2} \times 9\frac{1}{2} \times 5\frac{1}{2}$  inches.

Weight, 18 pounds.

## Polishing Lathe

No. 29½



141

This Polishing Lathe is provided with a Screw Tail Stock and a taper hole in both ends of the live spindle, and is provided with a special spindle for carrying Buff Wheels; in every other particular it is identical with the lathe shown and described on page 140.

Furnished complete with Tail Stock, Tee Rest, Face Plate, Saw Arbor, Taper Threaded Polishing Spindle, and Three-Jawed Chuck; capacity 0 to  $\frac{5}{8\frac{1}{2}}$  inch.

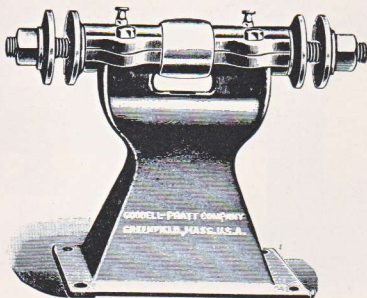
Price, each..... (POTENT) \$10.00

Each machine packed in a box, 12¾x9x7¼ inches.

Gross weight, 14 pounds.      Net weight, 10 pounds.

## Grinding Head

No. 38



This machine is of the same style as the No. 26, shown on page 136, but is larger and heavier. It is 8 inches high, and the Spindle is  $12\frac{1}{2}$  inches long. The diameter of the Spindle in the bearing is 1 inch; between flanges where the wheel runs it is  $\frac{3}{4}$  inch; it will take wheels 8 inches in diameter and 1 inch thick. The Pulley is 2 inches in diameter and  $1\frac{1}{2}$ -inch face.

Price, each..... (MARGE) \$8.00

Each machine packed in a box.

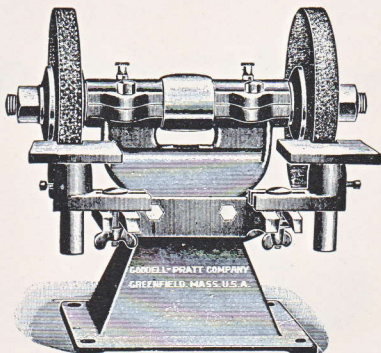
Gross weight, 26 pounds.

Net weight, 21 pounds.



## Grinding Head

No. 40



143

No Emery Wheels Furnished with this Machine

This machine is in every way identical with the No. 38, shown and described on the preceding page, except that it is supplied with the additional equipment of adjustable and detachable work-rests, as shown in the cut. To show the position of these very plainly, we have shown the machine as it would appear with wheels in place, but we desire to call particular attention to the fact that the list price, as noted, does not include Emery Wheels.

Price, each..... (MOTH) \$10.00

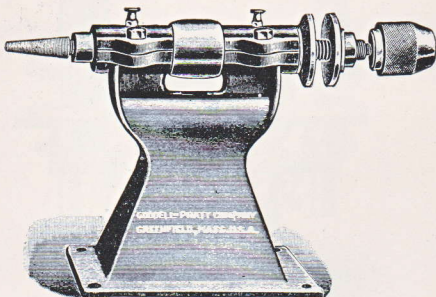
Each machine packed in a box.

Gross weight, 29 pounds.

Net weight, 24 pounds.

## Polishing Head

No. 43



144

This machine is of the same general construction as the No. 38 described on page 142; as shown in the cut, however, it is furnished with a regular Polishing Head Spindle, having a Taper Thread on one end and flanges on the other, in addition to which it is furnished with a Three-Jawed Chuck; capacity 0 to  $\frac{3}{8}$  inch.

Price, each..... (MANE) \$10.00

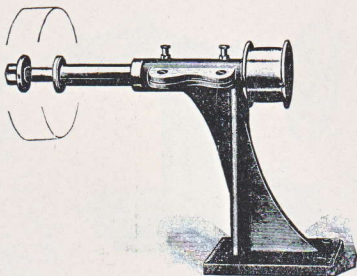
Each machine packed in a box.

Gross weight, 26 pounds.

Net weight, 21 pounds.

## Polishing Head

No. 31



145

An Offset Polishing Head, like the one shown above, will be found very useful about small plating plants, where oftentimes it is a great convenience in polishing, scouring, or buffing an irregular shaped piece which could not be handled to advantage on an ordinary small Polishing Head.

The Spindle is 14 inches long, 1 inch in diameter at the bearings,  $\frac{1}{2}$  inch in diameter between the flanges, the bearing is  $4\frac{1}{2}$  inches long, provided with two dust-proof Automatic Closing Oil Cups. The double flanged Pulley is  $2\frac{1}{2}$  inches in diameter,  $1\frac{5}{8}$  inch face.

Any buffing, grinding, or scouring wheel with  $\frac{1}{2}$ -inch hole can be used upon this machine up to  $1\frac{7}{8}$  inches in thickness.

This machine is 9 inches high, and the wheel flanges are 8 inches from the standard. The main body of the standard is enameled, all other metal parts are polished bright.

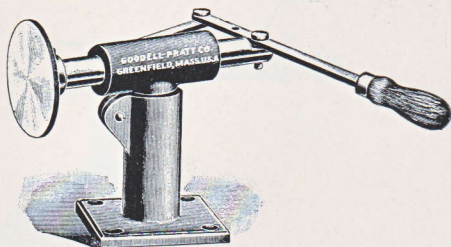
Price, each.....(OFFSET) \$5.00

Packed one in a box,  $15\frac{1}{2} \times 11 \times 7\frac{1}{2}$  inches.

Weight, 21 pounds.

## Polishing Head Tail Stock

No. 42



146

This little machine is intended for use in connection with small Polishing or Grinding Heads, thereby extending their field of usefulness.

It has an up and down adjustment of 3 inches, and can be set to line with spindles of Polishing or Grinding Heads that run from 6 to 9 inches high. The spindle is  $\frac{7}{8}$  inch in diameter and 8 inches long, the main lever arm is 12 inches long, and adjustable to two different throws. The hole in the spindle is  $\frac{1}{2}$  inch, and the face plate for same can be removed, if desired, and other attachments inserted. The base is 4 inches square and the height as noted above. The standard and spindle bearings are jappanned, and other metal parts are polished.

Price, each..... (PALM) \$4.00

Packed one in a box,  $13\frac{1}{2} \times 6\frac{1}{2} \times 4\frac{1}{2}$  inches,

Weight,  $8\frac{1}{2}$  pounds,

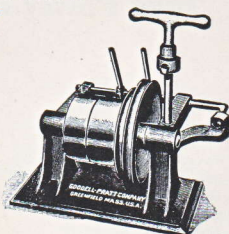
## Countershaft

No. 47

	Diameter
Shaft .....	$\frac{1}{2}$ inch.
Loose Pulley.....	3 inch.
Tight Pulley.....	3 inch.
1st Step.....	$3\frac{1}{2}$ inch.
2d Step .....	$4\frac{1}{2}$ inch.
Base Plate, 4 inches by 8 inches.	

Price, each.....(PANSY) \$2.50

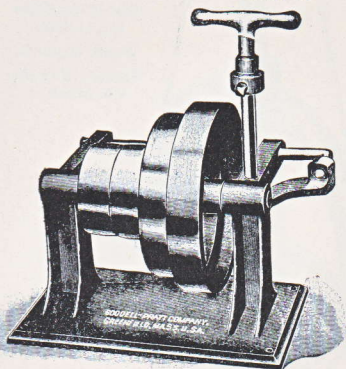
Each Countershaft packed in a box,  $10 \times 7\frac{1}{2} \times 7\frac{1}{2}$  inches.  
Weight,  $11\frac{1}{2}$  pounds.



## Countershaft

No. 48

147



	Diameter
Shaft.....	$\frac{1}{2}$ inch.
Loose Pulley...	3 inch.
Tight Pulley...	3 inch.
1st Step.....	3 inch.
2d Step.....	5 inch.
3d Step.....	6 inch.
Width Loose Pulley, 1 inch.	
Base Plate, 5 inches by 9 inches.	

Price, each .. \$4.00  
(PANEL)

Each Countershaft packed in a wooden box,  $11\frac{1}{2} \times 9\frac{1}{2} \times 9$  inches.  
Weight, 18 pounds,

## Foot Power Polishing Machine

No. 123

This useful combination of a Foot Power and No. 23 Polishing Head will prove a great convenience to anyone desiring to install mechanism of this character, and have it free and clear of their work bench. The machine is complete in itself; it is provided with a Three-Jawed Chuck, capacity 0 to  $\frac{5}{8}$  in. It is provided with round belt, as shown in cut. It is finished in machine enamel, black and red. For dimensions, see opposite side of cut.

Price, each \$12.50  
(DASHER)

Gross weight,  
95 pounds.

Net weight, 65  
pounds.

### Dimensions

Height, 45 inches.

Diameter of Wheel  
20 inches.

Motion, Plain  
Crank.

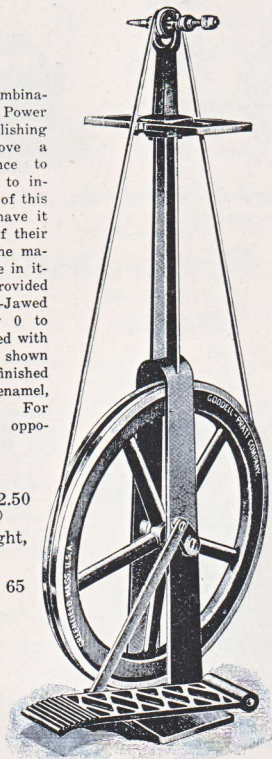
Diameter of Small  
Pulley,  $1\frac{1}{8}$  ins.

Width of Small  
Pulley,  $\frac{3}{4}$  inch.

Size of Iron Table  
10 x 5 inches.

Weight, 65 pounds.

Capacity of Chuck  
0 to  $\frac{5}{8}$  inch.





## Foot Power Polishing Machine

No. 124

### Dimensions

Height, 45 inches.

Diameter of Large  
Wheel, 20 inches

Motion, Plain  
Crank.

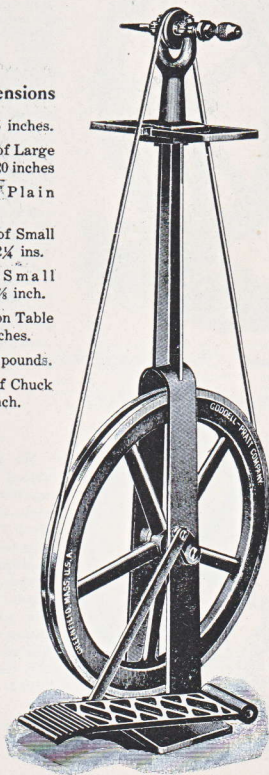
Diameter of Small  
Pulley,  $2\frac{1}{4}$  ins.

Width of Small  
Pulley,  $\frac{7}{8}$  inch.

Size of Iron Table  
10 x 5 inches.

Weight, 67 pounds.

Capacity of Chuck  
0 to  $\frac{1}{4}$  inch.



This combination is identical with the one described on the preceding page, except in the Polishing Head, with which it is equipped, this Head being our No. 24. It is provided with a Three-Jawed Chuck, capacity 0 to  $\frac{1}{4}$  inch. Necessary amount of leather belt shown in cut is furnished. The machine is finished in black and red enamel. For dimensions, see opposite side of cut.

149

Price, each \$14.00  
(DAISY)

Gross weight, 100  
pounds.

Net weight, 67  
pounds.

# Goodell-Pratt Company

## Foot Power

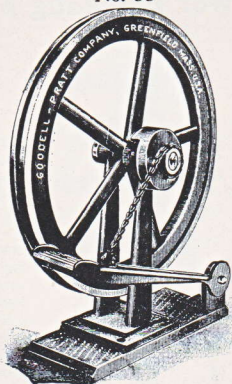
No. 35

Diameter of Wheel  
20 inches.

Width of Face,  
 $1\frac{3}{8}$  inches.

Width of Groove,  
 $\frac{1}{8}$  inch.

For Round Belt,  
 $\frac{1}{4}$  or  $\frac{3}{8}$  inch.



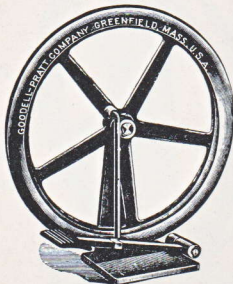
This machine can never get on a "dead center," it is always ready to go ahead and the treadle always remains stationary when not being worked, while the wheel continues to revolve until its momentum has been expended. The machine as shown weighs 65 pounds, the face of the wheel is turned up and grooved, and while it cannot be considered the cheapest Foot Wheel on the market, we feel confident that it represents exceptional value in proportion to its cost.

150

Price, each.....(FOOTPO) \$8.00  
Packed one in a box. Weight, boxed, 80 pounds.

## Foot Power

No. 116

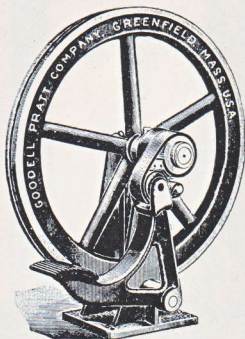


We have designed this little machine with the view of having a Foot Power of extremely moderate price. It has grooved face for round belt only. The wheel is  $16\frac{1}{4}$  inches in diameter. The net weight of the machine is 25 pounds.

Price, each.....(FOOTHOLD) \$3.00  
Packed one in a box.

## Foot Power

No. 117



151

The general characteristics and mechanical features employed in our Foot Power No. 35, particularly the fact that there is no dead center, have proven so popular that we find it advisable to present it in slightly varied form, a little more compact as regards floor space, with a solid iron base, a more powerful foot lever, and a leather belt pull, and at only a slight increase in cost over the original design. It is provided with 20-inch wheel with turned face, grooved, so that it can be used for either flat or round belt as may be desired. It is finished in machine enamel black and red.

Price, each..... (FOOTMAN) \$9.00

Packed one in a box.

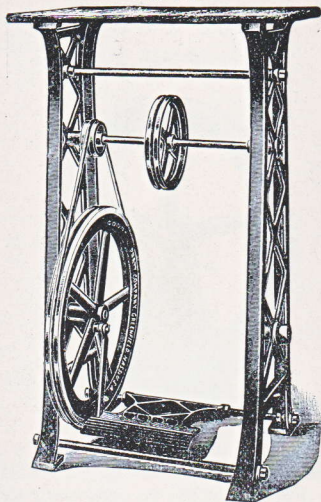
Net weight, 66 pounds.

Gross weight, 81 pounds.

Size  $22\frac{1}{4} \times 19\frac{5}{8} \times 8\frac{1}{2}$  inches.

## Foot Power Table

No. 120



152

This Power Table provides in itself a complete Foot Power equipment of Wheel, Treadle, Countershaft, and Bench, and is so arranged that almost any kind of a small machine can be attached to the Table and operated by power taken from the Countershaft below. No holes are cut in this Table, this being left to the purchaser; the operation is simple and will entail little trouble and assure his having these in just the desired spot.

The machine is 39 inches high; the Table part is 24 inches long and 14 inches wide; the Driving Wheel is 20 inches in diameter; the Receiving Wheel on the Countershaft is 3 inches and the Driving Wheel 8½ inches in diameter. All Pulleys are grooved for round belt, but faces are turned and flat belts can be used if desired. All metal parts of the machine are attractively painted with machine enamel. The top of the Table is shellacked.

For convenience in shipping this machine is knocked down; its construction, however, is such that the assembling by the purchaser is a small matter.

Price, each.....(WABBLE) \$20.00

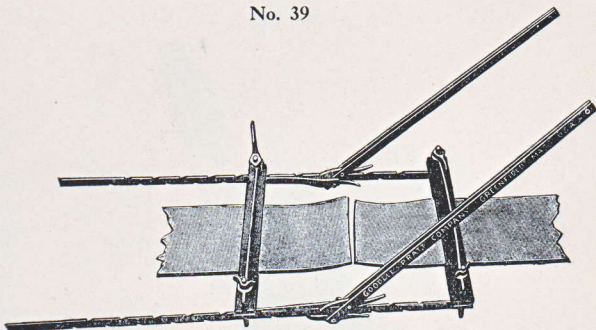
Packed knocked down, one in a wooden box.

Gross weight, 150 pounds.

Net weight, 115 pounds.

## Farley's Belt Tightener

No. 39



153

A strong, powerful, quick-acting device for drawing belts together for the purpose of lacing them. Before getting up this contrivance, we had tried, and become disgusted with, every Belt Clamp we could find; we wanted one that would do its work quickly and well; they were all too slow and too weak, and it took too long to get them into position and take them off again.

The above contrivance eliminates all these objectionable features, and combines in itself all desirable ones; it can be put into place in an instant, two or three throws of the levers at most, and you are ready for the lacing.

We guarantee them to give perfect satisfaction, and the price brings them within the reach of every one.

Please take note of the fact that we make them in one size only, to take belt up to and including 10 inches in width.

Price, each.....(BELTITE) \$7.50

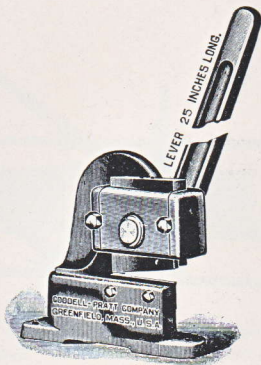
Packed one in a box, 29½x5x5 inches.

Weight, 19 pounds.



## Bench Shear

No. 150



154

The construction of this Shear is of a character that cannot fail to commend itself to anyone having use for such a tool. Sheets of great width can be readily cut, the shape of the casting being designed particularly with this end in view. It is provided with a long Lever 25 inches in length, and has Blades 4 inches long, opening  $\frac{9}{16}$  inch at the front. No work larger than  $\frac{3}{16}$  in either round or flat should be attempted; work up to these dimensions is within the capacity of the machine.

The iron parts are attractively finished in machine enamel, the steel parts are polished bright.

Price, each.....(TEETER) \$20.00

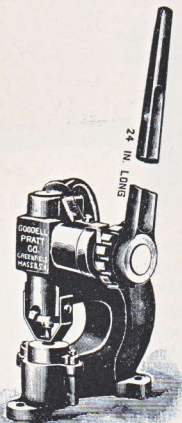
Each machine packed in a box.

Gross weight, 46 pounds.      Net weight, 31 pounds.



## Bench Punching Machine

No. 140



135

This Bench Punch is strong enough and heavy enough to punch  $\frac{3}{8}$ -inch hole in soft steel or iron,  $\frac{1}{8}$  of an inch thick, 4 inches from edge. We do not recommend it for any work by which it would be subjected to a greater strain. It is furnished complete, as shown in cut, with one set of Dies for  $\frac{3}{8}$ -inch round hole. It is of attractive design, well made and well finished. Dimensions as follows:

Length of Lever, 26 inches.

Capacity, in soft iron or steel it will punch holes  $\frac{3}{8}$  inch in diameter in stock  $\frac{1}{8}$  inch thick.

Depth of Throat, 4 inches.

Price, each, with one set  $\frac{3}{8}$ -inch round dies . . . . .(DRIVE) \$20.00

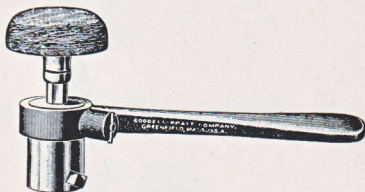
Each machine packed in a box 26x12x6 inches.

Gross weight, 75 pounds. Net weight, 58 pounds.

Extra Dies for round holes only, per set \$2.00.

## Universal Ratchet Handle

No. 83



This tool has been constructed to meet the demand for a moderate priced Ratchet Handle, and will be found useful for all classes of mechanics, many of whom do not use it enough to warrant their buying the expensive kind.

156

It has an iron handle 8 inches long, and a shifter operating the ratchet mechanism, which can be made either right or left hand at the operator's pleasure.

Has a ball-bearing lignum-vitæ head; the socket has a square taper hole provided with a set screw for fastening the bit, screw-driver, or nut-wrench in place.

Any mechanic owning one of these tools will continually find new uses for it.

Price, each..... (TAPER) \$1.50

Packed one in a box,  $8\frac{1}{2} \times 4\frac{3}{4} \times 2\frac{1}{2}$  inches.

Weight,  $1\frac{3}{4}$  pounds.

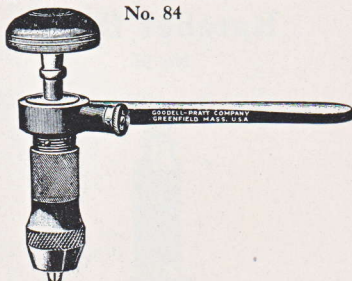
### IMPORTANT

This little device has proven so popular that we do not hesitate to illustrate and describe in the next following pages several adaptations of this same idea.

We have not only provided several styles of chucks, but we have also gone a step farther and transformed it into a full-fledged Ratchet Drill, which can be purchased either with or without automatic feed, as may be desired, and we wish to call particular attention to our numbers 84, 85, 86, and 87.

## Universal Ratchet Handle

No. 84



This tool is provided with a Bit Brace Chuck for Square Shanks, otherwise same as No. 83.

Price, each..... (TACKLE) \$2.00

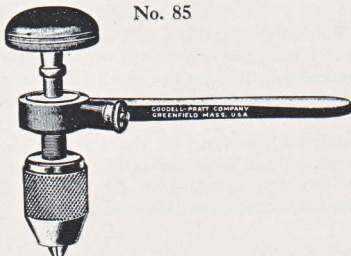
Packed one in a box.

Weight, each, 2 $\frac{1}{4}$  pounds.

157

## Universal Ratchet Handle

No. 85

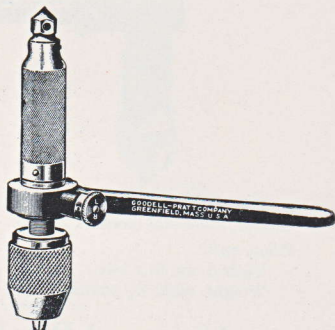


This tool is provided with a Three-Jawed Chuck for holding Round Shank Drills, capacity 0 to  $\frac{1}{2}$  inch, otherwise same as No. 83, shown on the preceding page.

Price, each..... (TACTIC) \$4.00

## Ratchet Drill

No. 86



158

This Ratchet Drill is fitted with a Three-Jawed Chuck, capacity 0 to  $\frac{1}{2}$  inch, and is provided with a Screw Feed which can be operated by turning the knurled handle, or by using a lever in the steel center, where a hole is provided for this purpose.

The finish is identical with the various styles of Ratchet Handles, shown and described in the preceding pages. The nickel plating and polishing of the Knurled Feed Handle add to the attractiveness of this tool.

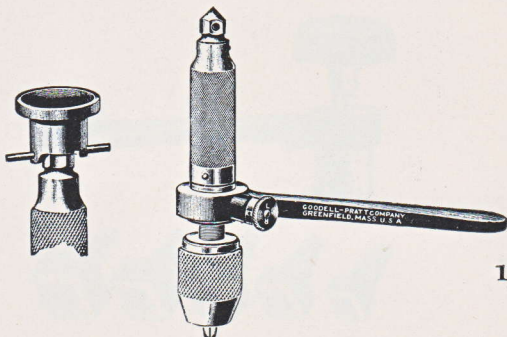
Price, each..... (TAINT) \$6.00

Packed one in a box.

Weight, each,  $2\frac{1}{4}$  pounds.

## Ratchet Drill with Automatic Feed

No. 87



159

This Ratchet Drill is identical with the No. 86, shown and described on the preceding page, except that it has the additional equipment of an Automatic Friction Feed Device which can be attached as shown in cut, and the Friction Feed regulated by the user to suit the requirements of any particular case.

Price, each, complete as shown.....(TALLY) \$8.00

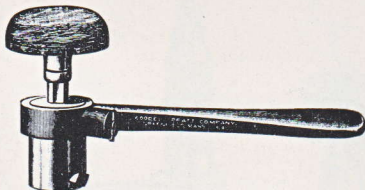
Packed one in a box.

Weight, 3 pounds,

# Universal Ratchet Handle

No. 107

With Five Wrench Sockets for Screws and Nuts



160



The Wrench Sockets have openings ranging from  $\frac{9}{32}$  to  $\frac{9}{16}$ . They are made of malleable iron with polished faces. For capacity, see table.

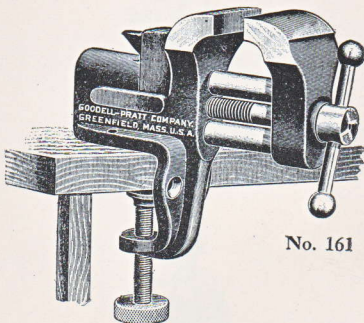
Socket Nos.	Set Screws	Sq. Head Cap Screws	Hex. Head Cap Screws	Sq. and Hex. Nuts	Lag Screws
1	$\frac{1}{4}$	—	—	—	—
2	$\frac{5}{16}$	—	—	—	—
3	$\frac{3}{8}$	$\frac{1}{4}$	—	—	$\frac{1}{4}$
4	$\frac{7}{16}$	$\frac{5}{16}$	$\frac{1}{4}$	—	—
5	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{5}{16}$ and $\frac{3}{8}$	$\frac{1}{4}$	$\frac{5}{16}$

Price, per set, complete as shown.....(FANCY) \$2.50

Packed one set in a box.



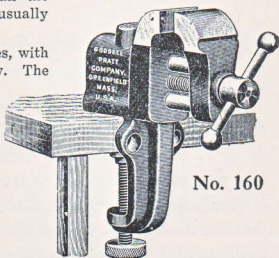
## Bench Vises



No. 161

These little Bench Vises, while not differing in general appearance from other tools of this character which have for many years been on the market, are constructed with the belief that there is a demand for a little better construction than the majority of the small Bench Vises usually offered for sale.

We are making these in two sizes, with a 1-inch jaw and with a 2-inch jaw. The Vises are operated by a steel screw and two steel guide rods, insuring rigidity and strength. They are of good design, well made, and well finished. A high grade of baking japan is used in place of the ordinary asphaltum paint usually employed.



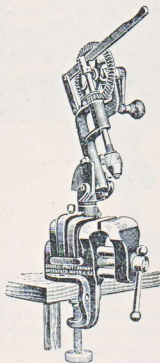
No. 160

No. 160. 1-inch Jaw, weight  $1\frac{1}{2}$  pounds. List each.....(JARGON) \$1.00,  
Packed one in a box.

No. 161. 2-inch Jaw, weight  $3\frac{1}{2}$  pounds. List each.....(JASPER) 2.00  
Packed one in a box.

## Universal Bench Drill and Vise

No. 146



Height from Bench,  $12\frac{1}{2}$  inches

Chuck capacity 0 to  $\frac{5}{8}\frac{1}{2}$  inch

This combination of our Universal Bench Drill, No. 145, and our 2-inch Bench Vise, No. 161, is made possible by the addition of the special clamp feature, which fits snugly and fastens securely to the frame of the Vise, as shown in the cut. It is simply a combination of the two tools above referred to, and detailed description will be better understood by referring to each machine separately; both are listed elsewhere in this book.

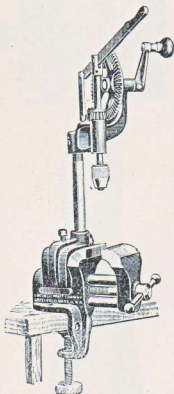
Price each, complete as shown..... (WARRIOR) \$7.00

Net weight,  $6\frac{1}{2}$  pounds.

Packed one in a box.

## Bench Drill and Vise

No. 147



163

Height from Bench,  $12\frac{1}{2}$  inches

Chuck capacity 0 to  $\frac{5}{32}$  inch

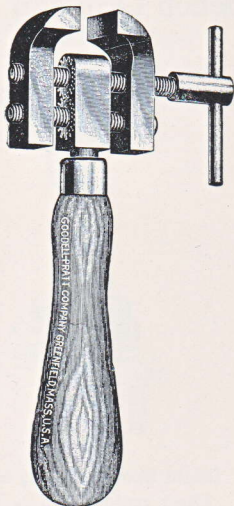
This combination differs slightly from the No. 146, shown and described on the preceding page, inasmuch as the Drill is not provided with the universal feature. It can be used in an upright position as attached to our No. 161 Vise, and as shown in the cut, but it cannot be used in a horizontal position. This elimination of the universal feature reduces its cost somewhat and does not detract to an appreciable extent from its efficiency. The Drilling Machine is equipped with the same working mechanism that is employed in our No. 145, and differs only in not having the universal feature.

Price each, complete as shown.....(WASP) \$5.00

Net weight, 6 pounds.

Packed one in a box.

## Hand Vises



The construction of these Vises is unique in that they are provided with a double screw geared together, insuring parallel jaw faces up to their extreme capacity, making it possible to secure a firmer hold than could be accomplished by the use of a single screw.

The Jaws are made from drop forgings with faces scored; the socket, screws, and equalizing gears are all steel. The handle is polished hard wood and the finish of the metal parts varies in the two different styles listed below. We desire to call particular attention to the convenience of the sliding handle. The jaws open  $1\frac{1}{2}$  inches and their faces are  $1\frac{3}{8}$  by  $\frac{3}{8}$  inches.

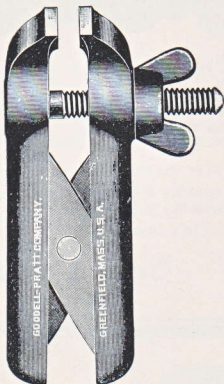
No. 97. Full Polished and Nickel Plated with Hard Wood Handle. Price, each..... (OAKUM) \$2.00

No. 98. All Metal Parts Black Finish with Hard Wood Handle. Price, each..... (OFFER) 1.75

Packed one in a box.

## Hand Vise

No. 96



165

The making of this style of Hand Vise with a parallel jaw is something of a departure; while this form of construction adds considerable to its cost, the increase will be more than offset by the gain in its convenience and utility.

It is made from drop forgings, the faces of the jaws are scored and case hardened. The finish of the tool is black, with the exception of the edges of the jaws, which are polished. The faces of the jaws are  $1\frac{3}{16}$  inches long,  $\frac{3}{8}$  inch wide; jaws open  $1\frac{3}{8}$  inches; whole tool is  $4\frac{1}{2}$  inches long.

Price, each..... (OPEN) \$1.50

## Pin Vises

Chuck Patented August 13, 1895



Previous to the introduction of these tools a good Pin Vise was a scarce article, and it has been our aim to make these both strong, convenient, and practical.

The Chucks are Three-Jawed, and will grip the work firmly. They are well finished and nickel plated.

The Handles are small, of polished hard wood, and will fit the hand nicely.

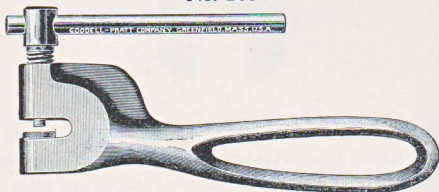
A hole is drilled the entire length.

No. 104.	Capacity 0 to $\frac{5}{32}$ inch.....	(MANTLE)	\$1.50
No. 106.	Capacity 0 to $\frac{1}{4}$ inch.....	(MANACLE)	2.00

Packed one in a box.

## Saw Punch

No. 200



The punching of the necessary holes in Butchers' Saws has been the source of much annoyance to users of, and dealers in, this article. None of the better class of Butchers' Saw Blades are punched when they leave the factory. There is so much variation in the various styles of Frames of apparently the same length that it would be impossible to do it and have them come right. This little device suggested itself and came into existence because of the above condition, and needs only to be seen to be appreciated.

The Frame is made of malleable iron, nickel plated and polished. The Screw and Crossbar are made of steel, nicely finished. The Die and Punch are made from the finest quality of tool steel, carefully tempered.

Price, per dozen..... (SANDLE) \$5.00

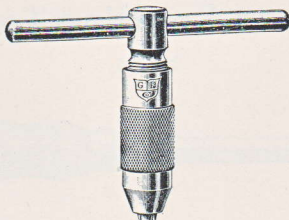
Packed one in a box,  $6\frac{1}{4} \times 2\frac{1}{4} \times \frac{3}{4}$  inches. Weight, 9 ounces.



Goodell-Pratt Company

## Tool or Tap Holder

No. 88



This tool will be found very convenient for holding small Drills or Taps where occasion requires the use of any like or similar Holder. The Jaws are hardened and tempered to a spring temper. The Nut is extra long and knurled, as shown in the cut. Capacity to  $\frac{7}{32}$ .

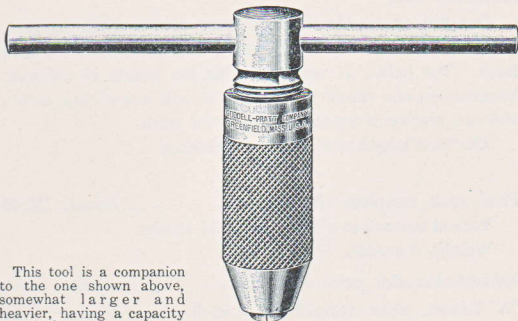
Price, per dozen..... (TRAM) \$6.00

Packed one in a box,  $4 \times 3 \times \frac{3}{4}$  inches. Weight, 4 ounces.

## Tool or Tap Holder

No. 89

167



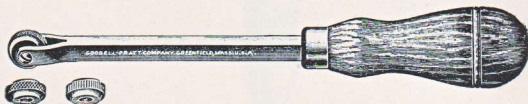
This tool is a companion to the one shown above, somewhat larger and heavier, having a capacity to  $\frac{1}{8}$  inch.

Price, per dozen..... (THRILL) \$9.00

Packed one in a box,  $5 \times 3 \times 1$  inches. Weight, 6 ounces.

# Hand Knurling Tool

No. 95



This convenient little knurling outfit will be appreciated by many mechanics who have occasional use for a tool of this character. It has a forged steel shank, polished and nickel plated, a cocobolo handle, hollow, with a screw cap, making a convenient receptacle for holding extra knurls when not in use. The three knurls furnished in this set are those most commonly used.

One fine cross, one medium cross, one medium straight, as shown in cut. The knurls are  $\frac{5}{8}$  inch in diameter,  $\frac{3}{8}$  inch thick. The holder is not adjustable for knurls of different thicknesses; the shank being solid it will not spring easily, and as a matter of course will do better work.

The total length of the tool is 10 inches.

Price, each, complete with 3 knurls..... (PESTER) \$2.50

Packed one set in a box,  $10 \times 1\frac{3}{4} \times 1\frac{1}{2}$  inches.

Weight, 9 ounces.

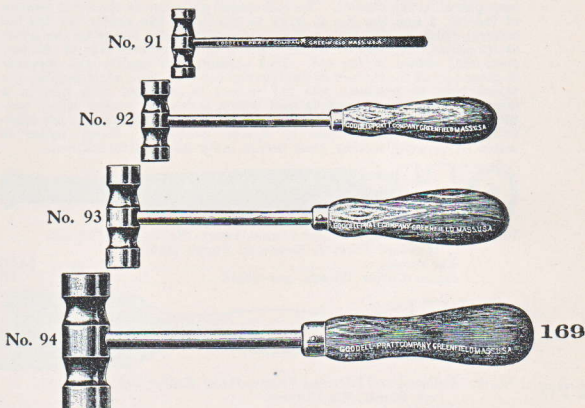
Separate Handles, price, each..... (PEST) 1.00

"A" Knurls, plain straight, price, each..... (PAN) .50

"B" Knurls, fine cross, price, each..... (PILL) .50

"C" Knurls, medium cross, price, each..... (PULL) .50

# Brass Hammers



169

This line of Brass Hammers for use on finished work will be found convenient, practical, and of moderate cost.

No. 91. Polished brass Head,  $\frac{1}{2}$  inch x  $1\frac{1}{2}$  inches; polished steel handle, with knurled grip. Length over all, 5 inches; weight 2 ounces. Price, each. (PRESENT) \$0.25

No. 92. Polished brass Head,  $\frac{1}{16}$  inch x  $1\frac{3}{4}$  inches; Steel shank, and polished hard-wood handle. Length over all,  $7\frac{1}{2}$  inches; weight, 4 ounces. Price, each. (PRAY) .35

No. 93. Polished brass Head,  $\frac{3}{8}$  inch x  $2\frac{1}{4}$  inches; steel shank, and polished hard-wood handle. Length over all,  $7\frac{1}{2}$  inches; weight, 8 ounces. Price, each. (PRETTY) .45

No. 94. Polished brass Head, 1 inch x 3 inches; steel shank, and polished hard-wood handle. Length over all, 9 inches; weight, 16 ounces. Price, each. (PEACH) .80

Above Hammers are packed one in a box.

# Turret Head Glass Cutters

Patented March 31, 1896

It is our purpose in offering these tools to provide a more perfect and durable, as well as more convenient, Glass Cutter than has heretofore been placed on the market. We call special attention to the novel feature of the No. 1 and the No. 2, lying in the turret-like holder for the six cutters, which may be revolved on or clamped to the frame by the screw at its center, the head of which appears on the reverse side of the tool from that shown in the cut. This arrangement enables the operator to place any of the cutters in position for use instantly; or, if desired, the turret may be removed, and the cutters be replaced with new in a minute's time. The turret is held within a circular recess, which protects all of the cutters not in a position for use. The cutters are carefully hardened and ground by special processes. Every cutter is tested by actually cutting glass before being mounted in the tool.



- No. 1. Polished and Nickered Frame, Turret Holder, Six Cutters, Nickered Ferrule, Rosewood Finish Handle.

Per dozen.....(GRAIN) \$4.00  
Extra Cutter Wheels, per dozen..... (GRACE) .50



- No. 2. Polished and Nickered Frame, Putty Knife Combined, Turret Holder, Six Cutters.

Per dozen.....(GRAIN) \$4.00

To complete the line, we offer the Double Wheel Cutters Nos. 3, 4, and 5. Each one is briefly described.



- No. 3. Polished Frame, Two Cutters, Nickered Ferrule, Enameled Wood Handle.

Per dozen..... (GALL) \$2.00



- No. 4. Polished Frame, Putty Knife Combined, Two Cutters.

Per dozen..... (GLARE) \$2.00



- No. 5. Polished and Bronze Finish Frame, Two Cutters.

Per dozen..... (GRADE) \$1.50

All are packed one dozen in a box.

*Wm. Pratt*

BRAND

## German Pattern Bits

No. 444

If you are looking for a good article, and if you want the VERY FINEST German Pattern Bit ever made, it will pay you to investigate; and if you investigate you will buy this one.

### BECAUSE

Each and every one is HAND MADE.

### BECAUSE

Each and every one is oil tempered.

### BECAUSE

Each and every one will bore faster and last longer than any other brand on the market.

### BECAUSE, also,

EVERY BIT IS WARRANTED, and will be REPLACED WITHOUT CHARGE, if not satisfactory.

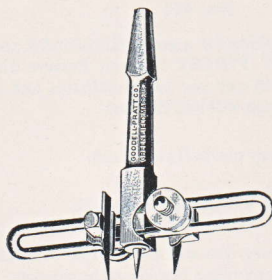
	Per Dozen
$\frac{1}{32}$ inch.....(TOOTH)	\$1.50
$\frac{2}{32}$ inch.....(THUMB)	1.50
$\frac{3}{32}$ inch.....(TONGUE)	1.50
$\frac{4}{32}$ inch.....(TRAIN)	1.50
$\frac{5}{32}$ inch.....(TASK)	1.50
$\frac{6}{32}$ inch.....(TEAM)	1.50
$\frac{7}{32}$ inch.....(TRUMPET)	1.50
$\frac{8}{32}$ inch.....(TICKET)	1.50
$\frac{9}{32}$ inch.....(TARGET)	1.50
$\frac{10}{32}$ inch.....(TUMBLE)	1.50
$\frac{11}{32}$ inch.....(TRAMPLE)	1.50
$\frac{12}{32}$ inch.....(TENDER)	1.50
Assorted, $\frac{4}{32}$ to $\frac{8}{32}$ inch.....(TREMBLE)	1.50

Packed one dozen in a box.



## Washer Cutter

No. 41



172

A strong, well-made, useful device for cutting washers from 1 inch to  $5\frac{1}{2}$  inches, provided with removable blades, adjustable as to length of cutting edge as well as position. These blades can be easily removed for sharpening, or replaced when they wear out.

The whole tool is nicely polished and attractive in appearance.

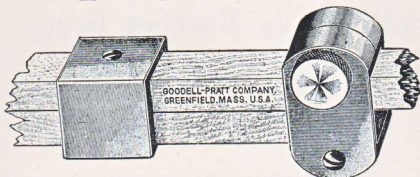
Price, each.....	(PEONY)	\$1.00
Extra Blades, per set.....	(PURPLE)	.25

Packed one in a box,  $5\frac{3}{4} \times 5\frac{3}{4} \times 1\frac{3}{4}$  inches.

Weight, 11 ounces.



## Pole Collars



This set consists of one solid and one adjustable clamp collar, each with an opening 1 inch square, for use on measuring poles either solid or adjustable. Where adjustable bars are used they should be about  $\frac{1}{2}$  inch by 1 inch.

The convenience of this little device will be appreciated by carpenters and mechanics generally. Furnished in two styles of finish, as noted below.

No. 45. Japan Finish, no bars furnished.

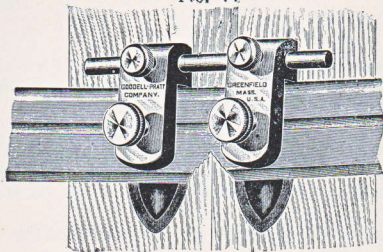
Price, per set..... (TINDER) \$0.60

No. 46. Full polished and nickel plated, no bars furnished. Price, per set..... (TRUE) .75

Packed one set in a box,  $4\frac{1}{4} \times 2 \times 1\frac{1}{2}$  inches. Weight, 10 ounces.

## Draw Shave Guides

No. 44



Cut shows the tool attached to a Draw Shave; we furnish Gauges only, no Blades.

This tool, sometimes called a Chamfer Gauge, is particularly useful in cornering heavy timber, insuring evenness and uniformity in the width of the chamfer, and enabling the operator to do a good job and save much time. These are made in a medium size; can be attached without difficulty to any ordinary Draw Shave.

The back of the Guides are polished, the faces and knurled head thumb-screws nickel plated.

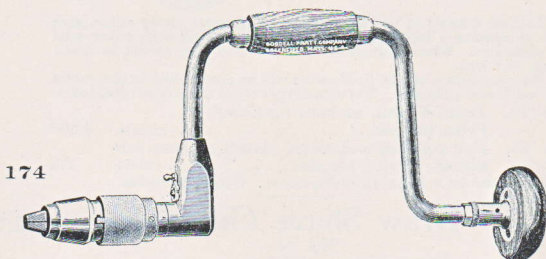
Price, per pair..... (PEDAL) \$1.00

Packed one pair in a box,  $4\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{1}{2}$  inches. Weight, 10 ounces.

## Goodell-Hay Ratchet Brace

Goodell Patent, December 27, 1892. Hay Patent, September 18, 1894

With Quick-Action Chuck



Forged Steel Sweep and Jaws, Malleable Iron Socket and Shell, Adjustable Cocobolo Handle and Lignum-vitæ Head, Full Polished and Nickel Plated.

Ball-bearing Head.

This Brace is fitted with the Hay Patent Quick-Action Chuck, requiring only one half a turn to either tighten or loosen the same, no matter what the size of the bit shank may be.

All mechanics will appreciate the saving of time this feature will afford them.

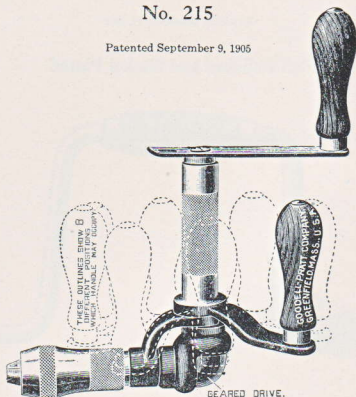
		Per Dozen
14-inch sweep.....	(OVAL)	\$45.00
12-inch sweep.....	(ORATE)	42.00
10-inch sweep.....	(OCULT)	39.00
8-inch sweep.....	(OSSIFY)	36.00

Packed one third dozen in a box.

# Universal Corner Brace

No. 215

Patented September 9, 1905



175

It would hardly be possible in a brief description to embody all the good points in the make-up, construction, and working of this tool. It is, in every sense of the word, a Universal Corner Brace; the steadying handle attached to the knurled sleeve can occupy any one of the eight positions shown in the cut; the geared drive is completely inclosed; the operating handle is adjustable to two different lengths; the chuck provided is fitted with one set of jaws for holding square shanks; the bright parts are fully polished and nickel plated; the other portions of this tool are japanned, as shown in the cut. The distance from gearing to end of chuck, 6 inches; length from extreme end of operating handle to gearing, 10 inches; weight of each tool, 3 pounds.

Price, each.....(QUIVER) \$3.00

Packed one in a box,  $7\frac{1}{4} \times 7\frac{1}{4} \times 1\frac{3}{4}$  inches.

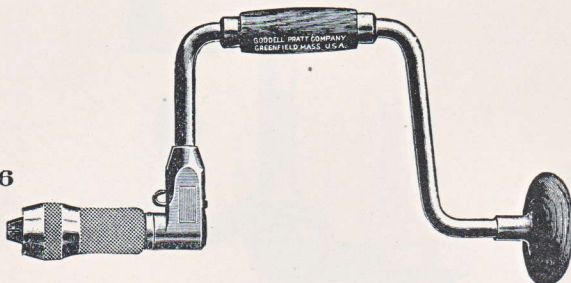
Weight,  $3\frac{1}{2}$  pounds.

## Ratchet Braces

Patented December 27, 1892

Full Polished and Nickel Plated

176



This Ratchet Brace, strong in construction and handsome in finish, is destined to become one of the most popular Braces on the market. The Ratchet design is new and unique; the pawls are strong and positive in action; the pawl-opener is made from one piece of steel, while the ball bearings in the head are contained in a dust-proof compartment within the quill.

	Per Dozen
No. 408. 8-inch sweep.....(QUICK)	\$33.00
No. 410. 10-inch sweep.....(QUEST)	36.00
No. 412. 12-inch sweep.....(QUACK)	39.00
No. 414. 14-inch sweep.....(QUILL)	42.00

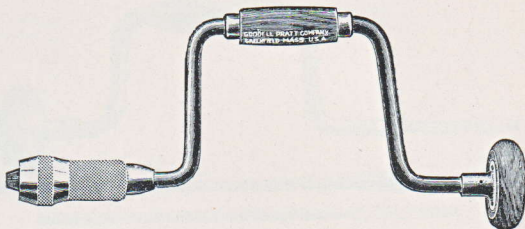
Packed one sixth dozen in a box.

Weight, 33 pounds per dozen.

## Plain Braces

Patented December 27, 1892

Full Polished and Nickel Plated



177

This Brace has malleable iron socket and shell, forged steel jaws that open when shell is loosened to receive the Bit, coco-bolo handle and lignum-vitæ head. The Centers upon which the handle runs are adjustable steel collars, which can be taken up to compensate for wear.

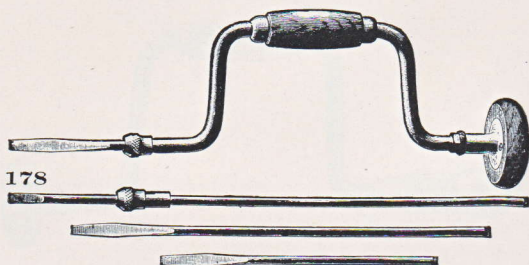
	Per Dozen
No. 208. 8-inch sweep.....(QUENCH)	\$24.00
No. 210. 10-inch sweep.....(QUAIL)	27.00
No. 212. 12-inch sweep.....(QUOIT)	30.00
No. 214. 14-inch sweep.....(QUIT)	33.00

Packed one sixth dozen in a box.

Weight, 33 pounds per dozen.

## Brace Screw-Driver Set

No. 230



This Brace has a 6-inch steel sweep, cocobolo head and handle, and a Chuck for holding the interchangeable blades, which are four in number, varying in length from 4 to 12 inches, made from tool steel, carefully tempered. It has also a 12-inch extension, which, in combination with the blades, gives lengths of 4, 8, 12, 16, 20, or 24 inches. The whole tool is full polished and nickel plated.

List, each, complete, as shown.....(QUE) \$1.75

Packed one in a box,  $12\frac{1}{4} \times 4\frac{1}{4} \times 3\frac{1}{2}$  inches.

Weight,  $2\frac{1}{4}$  pounds.



## Pattern Makers' Spoke Shave

No. 36



This Spoke Shave is designed and built with a special regard to the wants of a pattern maker; in fact, the design and form of construction are both the result of long years of experience in this particular vocation.

The Frame is entirely of iron, so shaped as to fit perfectly the hand of the operator, making possible a delicacy of touch which could not be obtained in any other way.

The Blade has a backward and forward adjustment, and is made as well as it is possible to make a Blade of this character. The whole tool is  $9\frac{1}{2}$  inches long, and carries a Blade 2 inches wide.

The Frame is finished in japan, the Blade is highly polished, the Thumb Nut is nickel plated.

Price, per dozen.....(SPOSHA) \$9.00

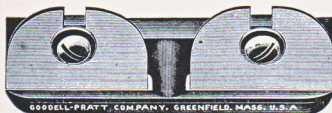
Packed one in a box,  $10 \times 2\frac{1}{2} \times 1\frac{1}{2}$  inches.

Weight, 13 ounces.

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## Double Knife Spoke Shave

No. 37



This is particularly a pattern makers' tool, and one which will effect a great saving of time in shoulders, corners, in grooves and slots, and in many other places where it is impossible to operate an ordinary Spoke Shave; a protector can be used over either Blade, making it equally adaptable for either right or left hand work. The tool is well finished and thoroughly practical in its working.

Price, per dozen.....(DOUBLE) \$9.00

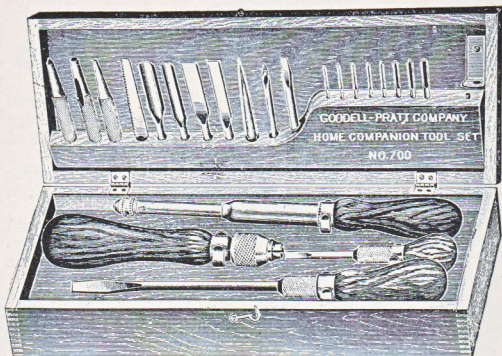
Packed one in a box,  $3\frac{3}{4} \times 1\frac{1}{2} \times \frac{3}{4}$  inches.

Weight, 6 ounces.

Goodell-Pratt Company

## Home Companion Tool Set

No. 700



Containing an assortment of high-grade tools of exceptional value in the household, office, or workshop. They are conveniently arranged in a polished hard-wood case. Needs only to be seen to be appreciated. This case contains the following:

- 1 Ratchet Screw-Driver, 6 inch.
- 1 Ratchet Screw-Driver, 1½ inch.
- 1 Cocobolo Handle Automatic Drill.
  - 8 Drills for same from  $\frac{1}{16}$  inch to  $\frac{1}{4}$  inch.
- 1 Universal Tool Handle for holding:
  - 2 Gouges.      1 Saw.
  - 2 Chisels.     1 Gimlet.
  - 1 Reamer.     1 Screw-Driver.
- 1 Nail Set.
- 1 Prick Punch.
- 1 Saddlers' Driver Punch.

Size of case, 13½x5½x3 inches.

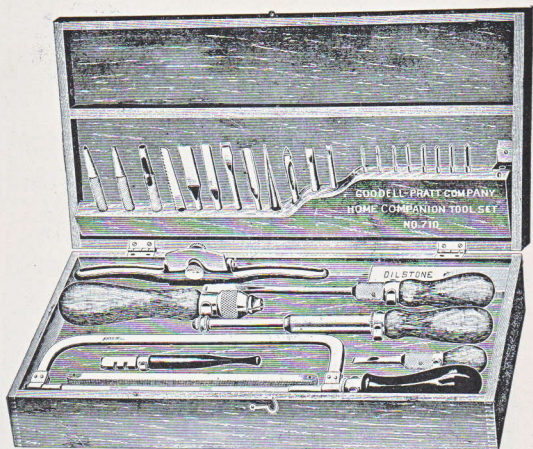
Price, list each, complete, as shown..... (PANTRY) \$5.00

Weight, 4 pounds.

Goodell-Pratt Company

# Home Companion Tool Set

No. 710



181

Containing a very complete assortment of high-grade tools of exceptional value to the household, office or workshop. They are conveniently arranged in a polished hard-wood case, useful for odd jobs anywhere. This case contains the following:

- 1 Ratchet Screw-Driver, 6 inch.
- 1 Ratchet Screw-Driver, 1½ inch.
- 1 Hand Shave.
- 1 Hack Saw Frame.
- 6 Coarse Teeth Blades for same.
- 3 Fine Teeth Blades for same.
- 2 Extra Fine Teeth Blades for same.
- 1 Polished Bone Saw for same.
- 1 Glass Cutter.
- 1 Cocobolo Handle Automatic Drill.
- 8 Drills for same from ⅛ inch to ¼ inch.

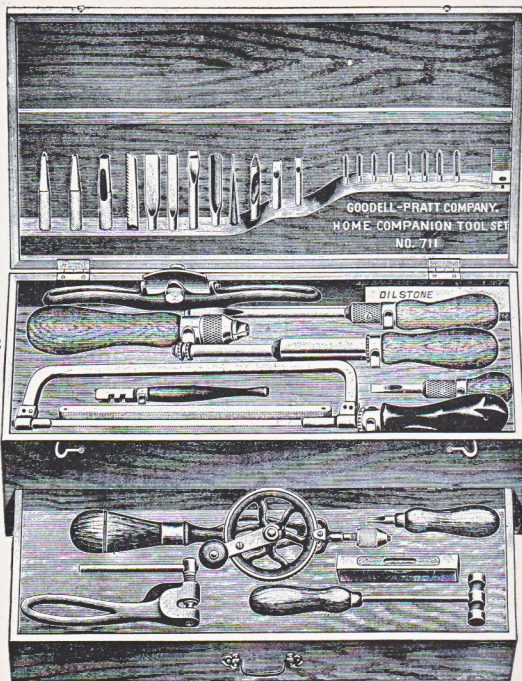
- 1 Tool Handle for holding:
  - 1 Gouge.
  - 2 Chisels.
  - 1 Screw-Driver.
  - 2 Brad Awls.
- 1 Nail Set.
- 1 Prick Punch.
- 1 Saddlers' Drive Punch.
- 1 Solid Punch.
- 1 Oil Stone.
- 1 Gimlet.
- 1 Reamer.
- 1 Saw.

Size of case, 16 inches by 8½ inches by 3½ inches.

Price, list each, complete, as shown.....(PARADE) \$7.50,  
Weight, 7½ pounds.

# Goodell-Pratt Company

182





## Home Companion Tool Set

No. 711

The extreme popularity of the two Home Companion Tool Sets shown in our previous Catalog have created a demand for a still larger assortment of these special tools, put up in the same attractive manner as shown in the cut on the opposite page. The upper part of the case contains the same tools put up with our No. 710, the additional equipment is contained in the drawer below; a complete list is appended herewith:

- 1 Hand Drill, with Three-Jawed Chuck and eight Drill Points.
- 1 4-inch Iron Level.
- 1 Metal Punch.
- 1 Brass Hammer.
- 1 Gunsmiths' Screw-Driver.
- 1 Ratchet Screw-Driver, 6-inch.
- 1 Ratchet Screw-Driver, 1½-inch.
- 1 Hand Shave.
- 1 Hack-Saw Frame.
  - 6 Coarse Teeth Blades for same.
  - 3 Fine Teeth Blades for same.
  - 2 Extra Fine Teeth Blades for same.
  - 1 Polished Bone Saw for same.
- 1 Glass Cutter.
- 1 Cocobolo Handle Automatic Drill.
  - 8 Drills for same, from  $\frac{1}{8}$  inch to  $\frac{1}{4}$  inch.
- 1 Tool Handle for holding:
  - 1 Gouge.
  - 2 Chisels.
  - 1 Screw-Driver.
  - 2 Brad Awls.
  - 1 Gimlet.
  - 1 Reamer.
  - 1 Saw.
- 1 Nail Set.
- 1 Prick Punch.
- 1 Saddlers' Drive Punch.
- 1 Solid Punch.
- 1 Oil Stone.

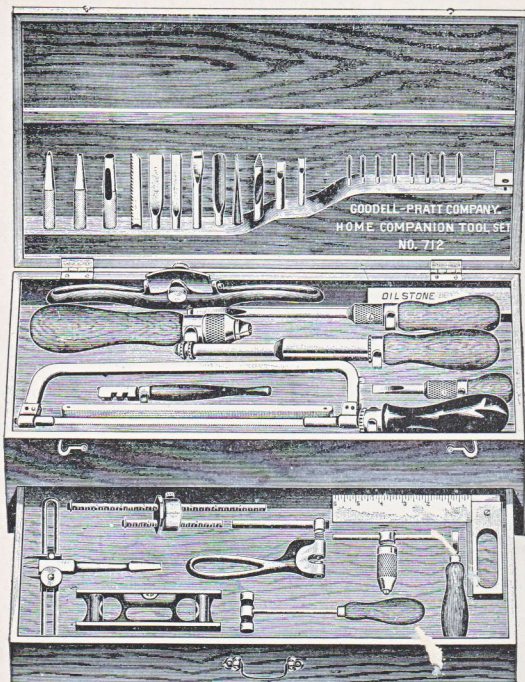
Size of Case, 16x8½x5½ inches.

Price, list, complete as shown..... (PAGAN) \$12.00

Weight, 11½ pounds.

# Goodell-Pratt Company

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## Home Companion Tool Set

No. 712

This assortment covers a little wider field than any of the series before described. The contents of the lower drawer we commend particularly to your attention. A complete list of the tools contained in this assortment is appended herewith:

- 1 6-inch All Steel Try Square, graduated blade.
- 1 6-inch Iron Level, with Double Plumb.
- 1 Double Beam Combination Roller Gauge.
- 1 Washer Cutter.
- 1 Gunsmiths' Screw-Driver.
- 1 Tool or Tap Holder for holding small tools with square shanks.
- 1 Brass Hammer.
- 1 Lever Metal Punch.
- 1 Ratchet Screw-Driver, 6-inch.
- 1 Ratchet Screw-Driver, 1 $\frac{1}{2}$ -inch.
- 1 Hand Shave.
- 1 Hack-Saw Frame.
  - 6 Coarse Teeth Blades for same.
  - 3 Fine Teeth Blades for same.
  - 2 Extra Fine Teeth Blades for same.
  - 1 Polished Bone Saw for same.
- 1 Glass Cutter.
- 1 Cocobolo Handle Automatic Drill.
  - 8 Drills for same, from  $\frac{1}{16}$  inch to  $\frac{1}{4}$  inch.
- 1 Tool Handle for holding:
  - 1 Gouge.
  - 2 Chisels.
  - 1 Screw-Driver.
  - 2 Brad Awls.
  - 1 Gimlet.
  - 1 Reamer.
  - 1 Saw.
- 1 Nail Set.
- 1 Prick Punch.
- 1 Saddlers' Drive Punch.
- 1 Solid Punch.
- 1 Oil Stone.

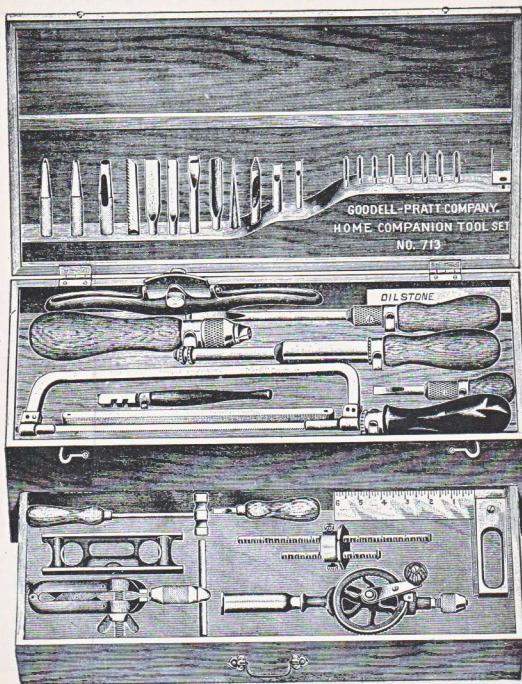
Size of Case, 16x8 $\frac{1}{2}$ x5 $\frac{1}{2}$  inches.

Price, list, complete as shown..... (PADDOCK) \$15.00

Weight, 13 $\frac{1}{2}$  pounds.

# Goodell-Pratt Company

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## Home Companion Tool Set

No. 713

This is the most elaborate assortment that we put up. It contains a large variety of special tools, all the very best quality. A complete list is appended herewith:

- 1 6-inch All Steel Try Square, graduated blade.
- 1 6-inch Iron Level, with Double Plumb.
- 1 Double Beam Combination Roller Gauge.
- 1 Gunsmiths' Screw-Driver.
- 1 Tool or Tap Holder for holding small tools with square shanks.
- 1 Geared Hand Drill, fitted with Three-Jawed Chuck and equipped with 8 Drill Points.
- 1 Small Brass Hammer.
- 1 Drop Forged Hand Vise.
- 1 Ratchet Screw-Driver, 6-inch.
- 1 Ratchet Screw-Driver, 1½-inch.
- 1 Hand Shave.
- 1 Hack-Saw Frame.
  - 6 Coarse Teeth Blades for same.
  - 3 Fine Teeth Blades for same.
  - 2 Extra Fine Teeth Blades for same.
  - 1 Polished Bone Saw for same.
- 1 Glass Cutter.
- 1 Cocobolo Handle Automatic Drill.
  - 8 Drills for same, from ⅜ inch to 1¼ inch.
- 1 Tool Handle for holding:
  - 1 Gouge.
  - 2 Chisels.
  - 1 Screw-Driver.
  - 2 Brad Awls.
  - 1 Gimlet.
  - 1 Reamer.
  - 1 Saw.
- 1 Nail Set.
- 1 Prick Punch.
- 1 Saddlers' Drive Punch.
- 1 Solid Punch.
- 1 Oil Stone.

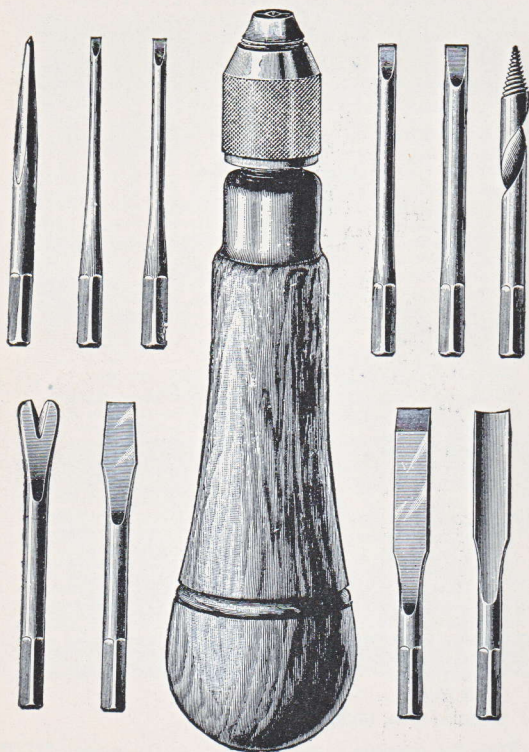
Size of Case, 16x8½x5½ inches.

Price, list, complete as shown..... (PALLET) \$17.50

Weight, 14 pounds.

# Goodell-Pratt Company

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## Hollow-Handle Tool Set

No. 11

We have had so many inquiries for a set of this character that we see no need of apologizing for having produced one.

The cut on the opposite page will give a good idea of their general appearance.

HANDLE.—Polished Cocobolo.

189

TOOLS.—Ten in number, hardened and tempered from best cast steel, and nicely finished.

CHUCK.—Nickel Plated, and constructed with special regard for strength and durability.

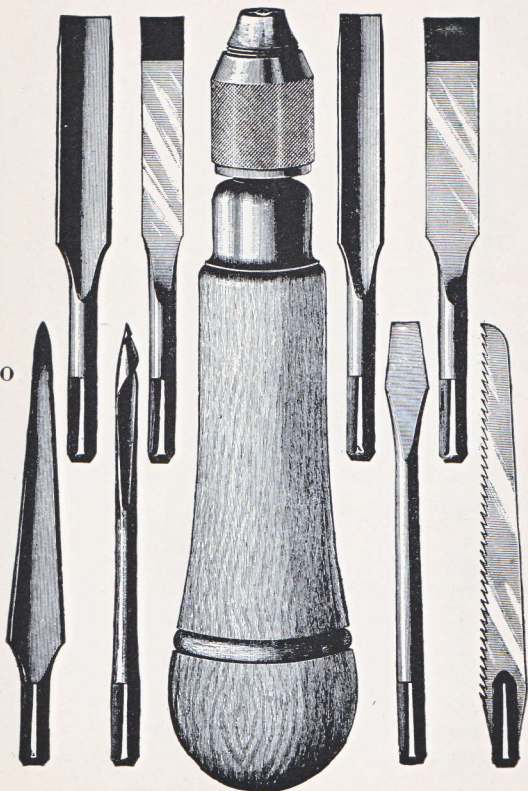
Price, per dozen.....(CEMENT) \$12.00

Each set in a separate box,  $6\frac{1}{4} \times 2 \times 1\frac{3}{4}$  inches.

Weight, 9 ounces.



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## Hollow-Handle Tool Set

No. 12

This set will be found of the same high quality as the No. 11, differing only in being larger and equipped with only eight tools. These are, however, of sufficient size to make them practical to use in much more than an amateur way.

HANDLE.—Polished Cocobolo.

191

TOOLS.—Eight in number, as shown in cut, made from best cast steel, carefully hardened and tempered.

CHUCK.—Nickel Plated. and constructed with special regard to strength and durability.

Price, per dozen.....(CHARGER) \$20.00

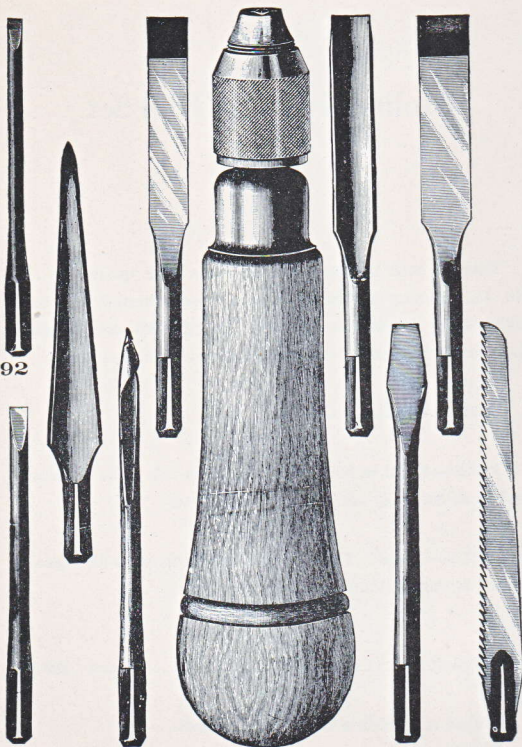
Packed one set in a box,  $7\frac{1}{2}$ x2x2 inches.

Weight, 13 ounces.

# Goodell Pratt Company

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## Hollow-Handle Tool Set

No. 12½

The annexed cut represents our No. 12½ Tool Set. As seen in the assortment of tools, the list covers about all the requirements demanded of this class of tools.

Following are the specifications:

HANDLE.—Polished Cocobolo.

193

TOOLS.—Nine in number, oil tempered.

CHUCK.—Nickel plated and constructed with special regard to strength and durability.

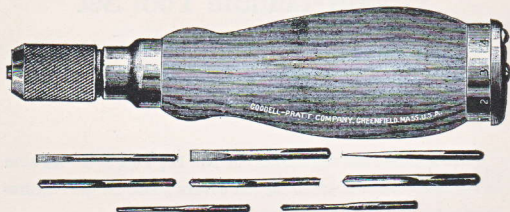
Price, per dozen.....(CHARMER) \$20.00

Packed one set in a box, 7½x2x2 inches.

Weight, 13 ounces.

## Turret Head Tool Set

No. 10



The five Fluted Awls will be found vastly superior to the old-fashioned kind, as the liability of their splitting the work when in use is reduced to a minimum. The two Screw-Driver Blades are of different sizes, and the Scratch Awl will be found oftentimes useful. They are made from drill wire, and are carefully tempered. The handle is made of polished hard wood, and all mountings are nickel plated.

Price, per dozen.....(CARMEN) \$8.00

Packed one in a box,  $5\frac{3}{4} \times 2 \times 1\frac{3}{4}$  inches.

Weight, 6 ounces.

## Universal Tool Handle

No. 13



This is the same handle regularly furnished with our Home Companion Tool Sets, and is well adapted for holding any tools having square shanks, like or similar to those usually found upon tools of this character.

The handle is made of polished hard wood, with nickeled ferrule and shell.

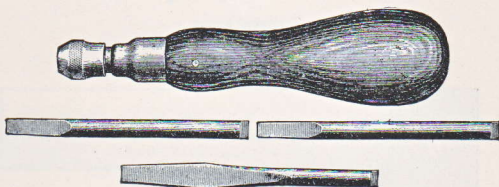
Price, per dozen.....(CERATE) \$6.00

Packed one in a box.

Goodell-Pratt Company

## Screw-Driver Set

No. G25



This set consists of a hard-wood Handle, nicely finished, a strong Chuck, and three warranted Screw-Driver Blades, carefully tempered and highly polished.

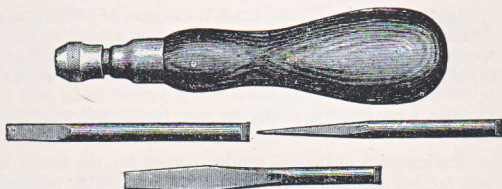
Price, per dozen..... (BELONG) \$6.00

Each set packed in a box,  $6\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches. Weight, 8 ounces.

## Screw-Driver Set

No. G20

195



This set consists of a hard-wood Handle, nicely finished, a strong Chuck, and two Screw-Driver Blades, and one square Reamer, all made from the very best steel, carefully tempered, and highly polished.

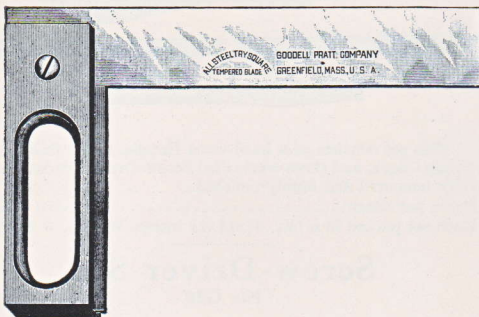
Price, per dozen..... (BEFORE) \$6.00

Each set packed in a box,  $6\frac{1}{2} \times 1\frac{3}{4} \times 1\frac{3}{4}$  inches. Weight, 8 ounces.

## All Steel Try Squares

Tempered Blades

Patent Applied For



196

Appreciating the demand for a Try Square of better grade than has heretofore been used by carpenters and wood workers, we are offering this line of All Steel Try Squares, with Tempered Blades, the beams provided with a patent rest so that it will lie flat on the work and stay flat without being held in position, a convenience which the user cannot fail to appreciate.

The accuracy of the tool can be vouched for, the handle is well finished and nickel plated; the Blade is highly polished but not graduated; if graduation is desired, see Squares shown and described on the page next following.

			Price, Each
No. 806.	Length of Blade, 6 inches.....	(PARCEL)	\$1.00
No. 808.	Length of Blade, 8 inches.....	(PARCEL)	1.25
No. 810.	Length of Blade, 10 inches.....	(PARCEL)	1.50

Packed one in a box.

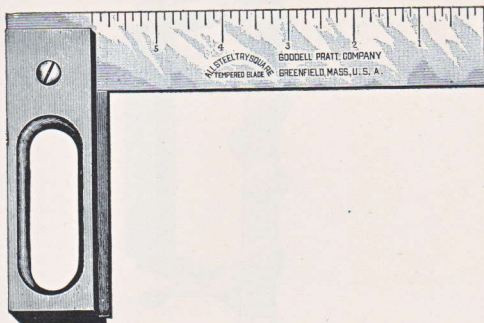


## All Steel Try Squares

Tempered Blades

Patent Applied For

Graduated Blades



197

The line of Squares shown upon this page have graduated Blades, otherwise they are identical with those described on the page just preceding. We wish to state emphatically that these graduations are put on with dividing engines, the accuracy of which can be vouched for:

	Price, Each
No. 906. Length of Blade, 6 inches..... (PARISH)	\$1.25
No. 908. Length of Blade, 8 inches..... (POLISH)	1.50
No. 910. Length of Blade, 10 inches..... (PARLOR)	1.75

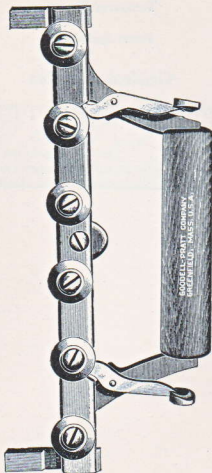
Packed one in a box.

Goodell-Pratt Company

## Clapboard Marker

No. 340

Shepardson Patent, October 18, 1904



198

This tool is a great improvement over the so-called siding markers which have been upon the market for many years. The marking cutters are parallel with the guides when placed against the corner board or window casing, the cutters being beveled on one side only insure an accurate marking and a close joint; it can be operated for either right or left hand, and automatically accommodates itself to various thicknesses of clapboards.

The metal parts of this tool are finished in white nickel, and the hard-wood handle is well polished.

Price, each..... (PARROT) \$1.00

Packed one in a box,  $8\frac{1}{4} \times 3\frac{3}{4} \times 1$  inch. Weight, 1 pound.

# Goodell-Pratt Company

## Circular or Oval Gauge

No. 225



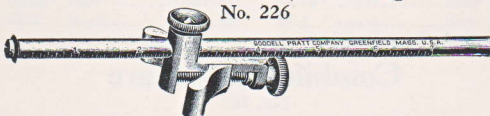
While this Roller Gauge can be used on straight work, it is particularly designed for circles and ovals. It is made up with a suitable head, as shown in cut, and an 8-inch graduated beam, with roller marker. The head can be fastened into position by knurled thumb-screw; the beam is full polished and nickel plated, the head is white nickeled.

Price, each.....(PARRY) \$0.75

Packed one in a box,  $8\frac{1}{2} \times 2\frac{3}{4} \times 1\frac{3}{4}$  inches. Weight, 6 ounces.

## Circular or Oval Gauge

No. 226



199

This tool differs from the above only in having a fine adjustment for the head for use on close work. This adjustment can be operated after the head is clamped in position.

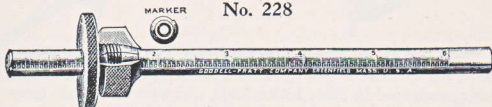
Beam is 8 inches long, full polished and nickel plated; head, white nickeled.

Price, each.....(PARSON) \$1.00

Packed one in a box,  $8\frac{1}{2} \times 2\frac{3}{4} \times 1\frac{3}{4}$  inches. Weight, 8 ounces.

## Scratch Gauge

No. 228



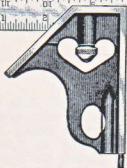
The graduated beam is nearly 7 inches long, graduated 6 inches of its length; the traveling head is split, and the binding ring arranged to tighten it in any desired position without in any way marring the graduation. The beam is full polished and nickel plated; the knurled nuts and the edges of the head are white nickeled. The marker does not rotate; it is, however, notched, making a formed cutter, the face of which can be ground and the cutter always kept sharp.

Price, each.....(PASSAGE) \$1.25

Packed one in a box.

# Carpenters' Combination Square

No. 666



This Square is designed particularly for carpenters' use; it is graduated in 8ths, 32ds, 12ths, and 48ths. This tool is well made,

well finished, and will stand the test for accuracy; the present price at which they are sold brings them within the reach of every carpenter, and for the carpenter's kit they have become indispensable.

## PRICE EACH

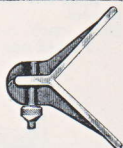
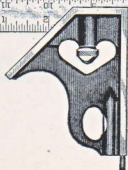
9 inch..... (VASE)	\$1.25	18 inch..... (VALE)	\$2.25
12 inch..... (VANE)	1.50	24 inch..... (VARN)	2.75

Packed one in a box.

200

# Combination Square

No. 667



This tool is in every way identical with the one shown above, except that it has the additional equipment of a center head; graduated in 8ths, 16ths, 32ds, and 64ths; we can, however, furnish same graduation as in No. 666, if desired.

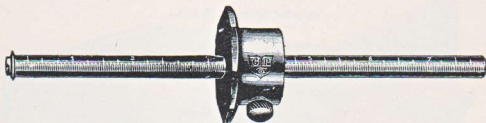
## PRICE EACH

9 inch..... (WALD)	\$1.75	18 inch..... (WILD)	\$2.75
12 inch..... (WELD)	2.00	24 inch..... (WOLD)	3.25

Packed one in a box.

## Single Beam Roller Gauge

No. 220

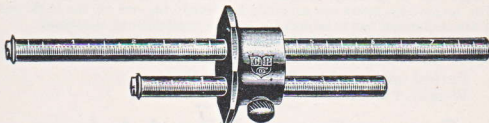


This tool has one 8-inch graduated steel beam, with roller marker, and is full polished and nickel plated.

Price, per dozen.....(PASS) \$12.00

## Double Beam Roller Gauge

No. 221



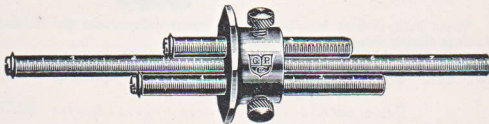
201

This tool has two graduated steel beams, with roller markers, and is full polished and nickel plated. Beams, 8 inches and 4 inches.

Price, per dozen.....(PASSER) \$15.00

## Triple Beam Roller Gauge

No. 222



This tool will be found a great convenience and labor saver where either single, double, or triple measurements are desired. The three beams are of different lengths, and each one is graduated. The whole tool is polished and nickel plated. Beams, 3 inches, 4 inches, and 8 inches.

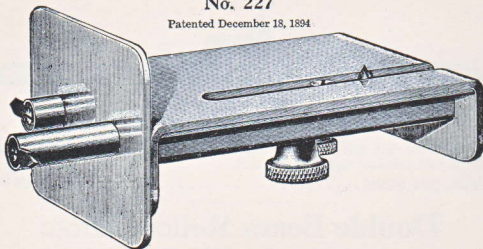
Price, per dozen.....(TACILE) \$18.00

Packed one in a box.

## Combination Butt Gauge

No. 227

Patented December 18, 1894



This tool is specially designed for door hanging and mortise work. The double-edge spurs are carefully hardened; the one on the back end of the double-end bar is adjustable for the regulation of clearance.

It is made entirely of steel, full polished and nickel plated.

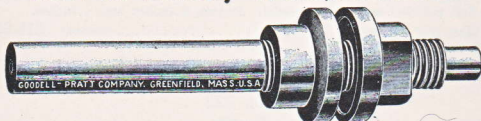
Price, per dozen.....(PASTE) \$12.00

Packed one in a box,  $3\frac{3}{4} \times 2\frac{1}{4} \times 1\frac{3}{4}$  inches.

Weight, 9 ounces.

202

## Saw or Emery Wheel Arbors



These little Arbors will be found a great convenience for holding Saws or Emery Wheels in small Lathes.

They are made in three sizes, as described below:

No. 321. 4 inches long,  $\frac{3}{8}$  inch in diameter, opening  $\frac{1}{2}$  inch between flanges.

Price, each.....(SAWER) \$0.75

No. 322.  $4\frac{3}{4}$  inches long,  $\frac{1}{2}$  inch in diameter, opening between flanges  $\frac{3}{4}$  inch.

Price, each.....(SARBO) 1.00

No. 323. 7 inches long,  $\frac{3}{4}$  inch in diameter, opening between flanges 1 inch, diameter of shaft between flanges  $\frac{1}{2}$  inch.

Price, each.....(SANTOS) 1.50

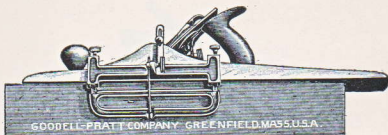


# Goodell-Pratt Company

## Iron Plane Gauge

No. 333

Cut shows Gauge attached to a Plane



This tool can be readily attached to any Iron Plane, and will enable the operator to accurately plane bevels of any desired angle, or make an even joint, and will do away with the continued use of a Bevel or Try Square. The flat surface of the guide is ground to insure its accurate working.

This little device is so simple that very little skill is required to operate it, and an inexperienced workman can do as nice a job of beveling or jointing, and in much less time, than his more skillful brother workman with his years of experience using his plane without this attachment.

It is made entirely of iron and steel, and fully nickeled.

Price, each. . . . . (WRANGLE) \$1.50

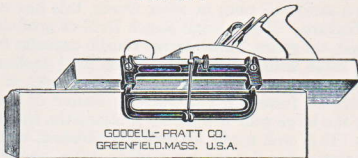
Packed one in a box, 8½x5x2 inches

Weight, 1½ pounds.

203

## Wood Plane Gauge

No. 334



This device can be attached to any Wood Plane for accurate jointing and beveling; it will prove quite as valuable an attachment for a Wood Plane as the No. 333, described above, is for an Iron one.

Made entirely of iron and steel, fully nickeled.

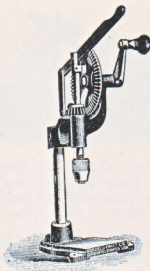
Price, each, . . . . . (PATIENT) \$1.00

Packed one in a box, 8½x4½x1½ inches.

Weight, 18 ounces.

# Bench Drill

No. 148



Height,  $10\frac{1}{2}$  inches  
Chuck capacity 0 to  $\frac{5}{32}$  inch

204

It is unfortunate for us that this little machine could not have appeared in this Catalog on a page adjacent to our other styles. We believe, however, that it is too useful a device to be omitted entirely; we are therefore placing it here. It bears the same relation to our No. 145 Bench Drill, shown and described on page 67, that an ordinary plain machine would bear to a universal one; in other words, this has not the universal feature. It is a small Bench Drill of good design, with lever feed, cut gears, Three-Jawed Chuck, capacity 0 to  $\frac{5}{32}$  inch, a plain table with a working surface  $3 \times 3\frac{1}{2}$  inches, having a total height of 12 inches and a spindle travel of  $1\frac{7}{8}$  inches. The distance from upright shaft to center of the Chuck, 2 inches; the large gear is 3 inches in diameter, the bevel pinion  $\frac{3}{4}$  inch. It is well made, attractively finished, and will prove a good companion for our many other styles, and will meet the demand for a smaller machine than any we have heretofore manufactured. \_Furnished with eight Drill Points from  $\frac{1}{16}$  to  $\frac{1}{64}$  inch.

Price, each.....(WASTER) \$4.00

Packed one in a box.

Gross weight,  $4\frac{1}{2}$  pounds.

Net weight, 4 pounds.

## Knurled Saddlers' Drive Punches

No. 997



These tools are in every way companions to the others in our 990 series, described on following page, and are of the same high quality.

We wish to call particular attention to the knurling, which fact the user will at once appreciate. They are made in 12 sizes, as listed below.

No. 1.	Per dozen, diameter of knurling $\frac{3}{8}$ inch.....	(KNIT)	\$3.00
No. 2.	Per dozen, diameter of knurling $\frac{3}{8}$ inch.....	(KNOCK)	3.00
No. 3.	Per dozen, diameter of knurling $\frac{3}{8}$ inch.....	(KINTO)	3.00
No. 4.	Per dozen, diameter of knurling $\frac{3}{8}$ inch.....	(KRUG)	3.00
No. 5.	Per dozen, diameter of knurling $\frac{3}{8}$ inch.....	(KRAG)	3.00
No. 6.	Per dozen, diameter of knurling $\frac{3}{8}$ inch.....	(KROG)	3.00
No. 7.	Per dozen, diameter of knurling $\frac{3}{8}$ inch.....	(KRIG)	3.00
No. 8.	Per dozen, diameter of knurling $\frac{7}{8}$ inch.....	(KNEE)	3.50
No. 9.	Per dozen, diameter of knurling $\frac{7}{8}$ inch.....	(KINO)	3.50
No. 10.	Per dozen, diameter of knurling $\frac{7}{8}$ inch.....	(KARO)	3.50
No. 11.	Per dozen, diameter of knurling $\frac{1}{2}$ inch.....	(KNOUT)	4.00
No. 12.	Per dozen, diameter of knurling $\frac{1}{2}$ inch.....	(KNAVE)	4.00

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## Knurled Saddlers' Drive Punches

In Sets

No. 950

This set consists of one each Saddlers' Drive Punch, No. 1 to 12, put up in a neat, round box, as shown in cut.



Price, per set, complete in box as shown..... (KNOLL) \$3.50

Weight, per set,  $1\frac{1}{2}$  pounds.

## Knurled Cup Point Nail Set

No. 999



These Nail Sets and Punches are made from the very finest quality of tool steel,  $\frac{3}{8}$  inch in diameter, knurled, as shown in cut. They are furnished in assorted sizes and different styles of point, as described below, and are tempered their entire length.

	Per Dozen
$\frac{3}{8}$ inch.....(KAMBUL)	\$2.00
$\frac{3}{8}$ inch.....(KARTER)	2.00
$\frac{4}{8}$ inch.....(KANTER)	2.00
$\frac{5}{8}$ inch.....(KRACKLE)	2.00
Assorted.....(KNURL)	2.00

## Knurled Solid Punches

No. 996

206



Same as 999, but with solid points.

Price, per dozen, assorted.....(KRUEDE) \$2.00

## Knurled Center Punches

No. 995



Price, per dozen.....(KRALE) \$2.50

## Knurled Prick Punches

No. 998



Same as No. 995, except points are longer.

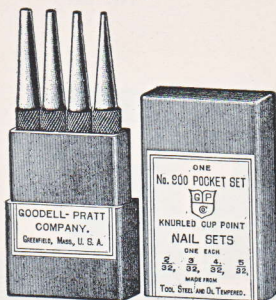
Price, per dozen.....(KNUPP) \$2.50

All styles packed one dozen in a box.

Goodell-Pratt Company

## Pocket Set Nail Sets

No. 900



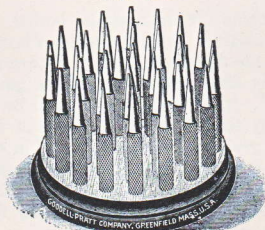
This set consists of our high-grade Nail Sets, one each,  $\frac{2}{32}$ ,  $\frac{3}{32}$ ,  $\frac{4}{32}$ , and  $\frac{5}{32}$ , put up in a convenient pocket case, as shown in cut.

207

Price, per set.....(KEEL) \$0.75  
Packed three sets in a box.

## Nail Set Display Board

No. 936



This assortment consists of three dozen of our very best Nail Sets, in assorted sizes, put up on neat display board, as shown in cut.

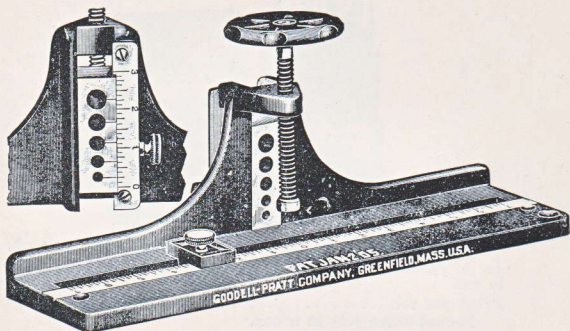
Price, per set.....(NAIL) \$7.00  
Packed one set in a box.



Goodell-Pratt Company

## Dowelling Machine

No. 114



This machine for the accurate boring of dowel holes will be found invaluable. An excellent idea is conveyed by the cut; in fact both the front and rear views are given, showing the graduation by which the height of the gauge block, provided with holes  $\frac{1}{4}$ ",  $\frac{5}{16}$ ",  $\frac{3}{8}$ ",  $\frac{7}{16}$ " and  $\frac{1}{2}$ ", can be readily determined and set at any desired point. The face of the machine is provided with a graduated strip running 7" in each direction from the center, making possible practically perfect location for dowel holes. All the graduated strips are ENGINE DIVIDED, the whole tool is well made, attractively finished and packed each one in a wooden box.

Price, each.....\$6.00

Net weight,  $10\frac{1}{2}$  pounds.

Gross weight,  $13\frac{1}{2}$  pounds.







We issue a separate catalog of precision tools made in our precision tool department under Massachusetts Tool Company brand; it will be sent free on request.

SPRINGFIELD  
PRINTING AND BINDING  
COMPANY